

# पावर 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 12.04.2015**  
Date of Reporting : 13.04.2015

### I. Regional Availability/Demand:

Evening Peak (20:00 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
32532	1890	34422	50.04	27167	598	27765	50.05	689.5	24.22

\* 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	30.26	2.84		33.09	57.51	56.45	-1.06	89.54	0.00
Haryana	20.98	0.55		21.53	65.04	65.02	-0.02	86.55	0.00
Rajasthan	86.17	0.33	5.39	91.88	45.37	45.81	0.43	137.69	0.00
Delhi	16.01			16.01	47.30	47.25	-0.05	63.26	0.03
UP	124.10	4.30		128.40	93.34	90.55	-2.79	218.95	17.02
Uttarakhand		10.72		10.72	19.56	21.06	1.50	31.78	0.00
HP		11.19		11.19	11.33	11.40	0.07	22.59	0.00
J & K		13.32	0.00	13.32	22.96	22.56	-0.40	35.87	7.17
Chandigarh				0.00	3.34	3.25	0.27	3.25	0.00
<b>Total</b>	<b>277.52</b>	<b>43.24</b>	<b>5.39</b>	<b>326.14</b>	<b>365.76</b>	<b>363.34</b>	<b>-2.05</b>	<b>689.49</b>	<b>24.22</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 (20:00 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	4416	0	137	113	3463	0	66	294	4527
Haryana	5077	0	-150	350	2971	0	62	106	5077
Rajasthan	6343	0	103	445	5074	0	191	-114	6343
Delhi	3062	0	71	-184	2360	0	102	-384	3062
UP	9092	1530	-179	172	9692	300	-18	161	9976
Uttarakhand	1535	0	13	459	1202	0	54	347	1535
HP	1040	0	-25	-619	803	0	27	51	1148
J&K	1801	360	36	-75	1492	298	108	-126	1892
Chandigarh	167	0	-16	-20	111	0	-6	0	167
<b>Total</b>	<b>32532</b>	<b>1890</b>	<b>-11</b>	<b>639</b>	<b>27167</b>	<b>598</b>	<b>586</b>	<b>335</b>	<b>32532</b>

UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))

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

### 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	1730	1644	1857	41.72	1738	38.25	3.47
	Rihand I STPS (2*500)	1000	851	770	878	16.43	684	16.64	-0.22
	Rihand II STPS (2*500)	1000	475	412	488	8.99	375	9.14	-0.15
	Rihand III STPS (2*500)	1000	966	778	788	18.06	752	17.81	0.25
	Dadri I STPS (4*210)	840	815	617	616	14.90	621	14.03	0.87
	Dadri II STPS (2*490)	980	980	712	712	16.86	703	16.52	0.34
	Unchahar I TPS (2*210)	420	405	237	286	6.12	255	7.07	-0.96
	Unchahar II TPS (2*210)	420	401	236	257	5.99	250	6.73	-0.74
	Unchahar III TPS (1*220)	210	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	1500	589	652	14.02	584	14.96	-0.94
	Dadri GPS (4*130.19+2*154.51)	830	815	250	407	8.52	355	8.44	0.08
	Anta GPS (3*88.71+1*153.2)	419	251	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	657	164	164	3.90	163	3.88	0.02
	Dadri Solar	5	1	0	0	0.01	0	0.02	-0.01
	Unchahar Solar	10	3	0	0	0.01	0	0.06	-0.05
	Singrauli Solar	15	3	0	0	0.02	1	0.07	-0.05
	KHEP	400	0	0	0	0.00	0	0.00	0.00
	<b>Sub Total (A)</b>	<b>11712</b>	<b>9851</b>	<b>6409</b>	<b>7105</b>	<b>156</b>	<b>6481</b>	<b>154</b>	<b>2</b>
	B. NPC	NAPS (2*220)	440	399	439	440	9.57	399	9.58
RAPS- B (2*220)		440	410	429	429	9.21	384	9.41	-0.20
RAPS- C (2*220)		440	410	449	452	9.76	407	9.84	-0.08
<b>Sub Total (B)</b>		<b>1320</b>	<b>1219</b>	<b>1317</b>	<b>1321</b>	<b>28.54</b>	<b>1189</b>	<b>28.83</b>	<b>-0.28</b>
C. NHPC	Chamera I HPS (3*180)	540	534	534	181	9.42	392	9.43	-0.02
	Chamera II HPS (3*100)	300	300	313	105	4.80	200	4.72	0.08
	Chamera III HPS (3*77)	231	231	227	0	2.85	119	2.78	0.07
	Bairasuil HPS(3*60)	180	179	180	60	3.32	138	3.20	0.12
	Salal-HPS (6*115)	690	519	568	569	12.88	537	12.53	0.35
	Tanakpur-HPS (3*40)	94	40	50	42	1.00	42	0.95	0.05
	Uri-I HPS (4*120)	480	475	470	473	11.61	484	11.40	0.21
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	189	139	0	1.66	69	1.61	0.04
	Dulhasti-HPS (3*130)	390	387	406	0	6.24	260	6.00	0.24
	Sewa-II HPS (3*40)	120	119	129	130	3.07	128	2.86	0.21
	Parbati 3 (4*130)	520	192	0	0	0.00	0	1.04	-1.04
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3166</b>	<b>3017</b>	<b>1560</b>	<b>57</b>	<b>2368</b>	<b>57</b>	<b>0</b>
	D.SJVNL	NJPC (6*250)	1500	1605	1576	0	11.16	465	10.95
Rampur HEP (6*68.67)		412	430	416	0	3.19	133	3.03	0.16
<b>Sub Total (D)</b>		<b>1912</b>	<b>2035</b>	<b>1992</b>	<b>0</b>	<b>14.35</b>	<b>598</b>	<b>13.99</b>	<b>0.36</b>
E. THDC	Tehri HPS (4*250)	1000	537	539	0	7.13	297	7.10	0.03
	Koteswar HPS (4*100)	400	129	400	92	3.11	130	3.10	0.01
	<b>Sub Total (E)</b>	<b>1400</b>	<b>666</b>	<b>939</b>	<b>92</b>	<b>10.24</b>	<b>427</b>	<b>10.20</b>	<b>0.04</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	357	637	326	8.51	355	8.57	-0.06
	Dehar HPS (6*165)	990	465	495	435	11.39	474	11.16	0.23
	Pong HPS (6*66)	396	28	186	0	0.69	29	0.68	0.01
	<b>Sub Total (F)</b>	<b>2900</b>	<b>851</b>	<b>1318</b>	<b>761</b>	<b>20.59</b>	<b>858</b>	<b>20.42</b>	<b>0.17</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	26	27	0.63	26	0.61	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	880	0	5.76	240	5.76	0.00
	Malana Stg-II HPS (2*50)	100	0	15	0	0.53	22	0.50	0.03
	Shree Cement TPS (2*150)	300	0	271	299	6.63	276	6.64	-0.01
	Budhil HPS(IPP)	70	0	69	0	0.56	23	0.56	0.00
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1262</b>	<b>326</b>	<b>14.11</b>	<b>588</b>	<b>14.06</b>	<b>0.05</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>17788</b>	<b>16254</b>	<b>11165</b>	<b>300.20</b>	<b>12508</b>	<b>297.64</b>	<b>2.55</b>	

Diversity is 1.04 UI [OG:(+ve), UG: (-ve)]

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	420	320	7.32	305
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	0	0	-0.05	-2
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	461	354	7.93	330
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	361	355	7.86	328
	Talwandi Saboo (1*660)	660	345	330	7.20	300
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1587</b>	<b>1359</b>	<b>30.26</b>	<b>1261</b>
	Total Hydro	1148	272	90	2.84	118
	<b>Total Punjab</b>	<b>5828</b>	<b>1859</b>	<b>1449</b>	<b>33.09</b>	<b>1379</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	536	482	11.41	475
Faridabad GPS (NTPC)		432	0	0	0.00	0
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	404	373	9.58	399
<b>Thermal (Total)</b>		<b>4944</b>	<b>940</b>	<b>855</b>	<b>20.98</b>	<b>874</b>
Total Hydro		62	18	17	0.55	23
<b>Total Haryana</b>		<b>5006</b>	<b>958</b>	<b>872</b>	<b>21.53</b>	<b>897</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	439	540	11.76
	suratgarh TPS (6*250)	1500	196	193	4.37	182
	Chabra TPS (4*250)	1000	553	561	14.09	587
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	171	171	4.43	185
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	171	194	4.09	171
	Giral LTPS (2*125)	250	85	85	1.61	67
	Rajwest LTPS (IPP) (8*135)	1080	478	533	16.30	679
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	362	457	9.61	400
	Kawai(Adani) (2*660)	1320	861	432	19.91	830
	<b>Thermal (Total)</b>	<b>8276</b>	<b>3316</b>	<b>3166</b>	<b>86</b>	<b>3590</b>
	Total Hydro	550	22	22	0.33	14
	Wind power	2798	197	298	4.62	192
	Biomass	99	32	32	0.77	32
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	3627	229	330	5.39	225
	<b>Total Rajasthan</b>	<b>12453</b>	<b>3567</b>	<b>3518</b>	<b>91.88</b>	<b>3828</b>
	UP	Anpara TPS (3*210+2*500)	1630	1396	1341	32.10
Obra TPS (2*50+2*94+5*200)		1194	417	435	10.20	425
Paricha TPS (2*110+2*220+2*250)		1140	582	670	14.80	617
Panki TPS (2*105)		210	54	99	2.20	92
Harduaganj TPS (1*60+1*105+2*250)		665	159	219	4.50	188
Tanda TPS (NTPC) (4*110)		440	278	385	8.00	333
Roza TPS (IPP) (4*300)		1200	567	801	15.80	658
Anpara-C (IPP) (2*600)		1200	654	1096	22.10	921
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	4571
Anpara-D		500	0	0	0.00	0
<b>Thermal (Total)</b>		<b>8629</b>	<b>4107</b>	<b>5046</b>	<b>110</b>	<b>9142</b>
Vishnuparyag HPS (IPP)		400	98	96	2.30	96
Other Hydro		527	127	67	2.00	83
Cogeneration		981	600	600	14.40	600
<b>Total UP</b>		<b>10537</b>	<b>4932</b>	<b>5809</b>	<b>128.40</b>	<b>9825</b>
Uttarakhand	Total Hydro	1398	475	396	10.72	447
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>475</b>	<b>396</b>	<b>10.72</b>	<b>447</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	77	78	1.92	80
	Pragati Gas Turbine (2x104+ 1x122)	330	152	154	3.72	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	302	272	6.61	275
	Badarpur TPS (NTPC) (3*95+2*210)	705	190	182	3.79	158
	<b>Thermal (Total)</b>	<b>2917</b>	<b>721</b>	<b>686</b>	<b>16.01</b>	<b>667</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>721</b>	<b>686</b>	<b>16.01</b>	<b>667</b>
HP	Baspa HPS (IPP) (2*150)	300	59	0	1.17	49
	Malana HPS (IPP) (2*43)	86	44	0	0.52	22
	Other Hydro	728	397	401	9.51	396
	<b>Total HP</b>	<b>1114</b>	<b>500</b>	<b>401</b>	<b>11.19</b>	<b>466</b>
J & K	Baglihar HPS (IPP) (3*150)	450	440	442	10.56	440
	Other Hydro/IPP	436	137	123	2.75	115
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>577</b>	<b>565</b>	<b>13.32</b>	<b>555</b>
<b>Total State Control Area Generation</b>		<b>40347</b>	<b>13589</b>	<b>13696</b>	<b>326.14</b>	<b>18064</b>
<b>J. Net Inter Regional Exchange</b> [Import (+ve)/Export (-ve)]			<b>4020</b>	<b>3591</b>	<b>81.93</b>	<b>3414</b>
<b>Total Regional Availability(Gross)</b>		<b>65319</b>	<b>33863</b>	<b>28452</b>	<b>708.27</b>	<b>33986</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	8188	2440	108.925928	4539
State Control Area Hydro	5684	1991	1558	43.24	1706
<b>Total Regional Hydro</b>	<b>17654</b>	<b>10179</b>	<b>3998</b>	<b>152.16</b>	<b>6244</b>

**V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]**

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal B/B	-350	-250	300	-350	0.22	6.01	-5.79
Gwalior-Agra (D/C)	1724	1720	2070	0	36.85	0.00	36.85
Zerda-Kankroli	-101	-286	0	287	0.00	5.66	-5.66
Zerda-Bhinmal	-79	-298	0	365	0.00	4.90	-4.90
Malanpur-Auraiya	-40	-23	0	71	0.00	0.89	-0.89
Badod-Kota/Morak	-39	-49	0	60	0.00	1.06	-1.06
Mundra-Mohindergarh(HVDC)	2202	2202	2504	0	53.49	0.00	53.49
Vindhychal - Rihand	506	505	513	0	3.52	0.00	3.52
<b>Sub Total WR</b>	<b>3823</b>	<b>3521</b>			<b>94.08</b>	<b>18.53</b>	<b>75.55</b>
Pusauli Bypass	100	100	100	0	2.48	0.00	2.48
MZP- GKP (D/C)	-32	-38	87	83	0.11	0.00	0.11
Patna-Balia(D/C)	103	22	177	6	1.95	0.00	1.95
B'Sharif-Balia (D/C)	-29	-37	45	110	0.79	0.00	0.79
Pusauli-Balia	24	88	110	0	0.80	0.00	0.80
Gaya-Fatehpur (765 Kv)	17	-30	59	63	0.00	0.00	0.00
Pusauli-Sahupuri	166	187	205	0	4.22	0.00	4.22
K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
Son Ngr-Rihand	-26	-34	0	43	0.00	0.77	-0.77
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-126	-188	0	234	0.00	3.69	-3.69
<b>Sub Total ER</b>	<b>197</b>	<b>70</b>			<b>10.84</b>	<b>4.46</b>	<b>6.38</b>
<b>Total IR Exch</b>	<b>4020</b>	<b>3591</b>			<b>104.91</b>	<b>22.99</b>	<b>81.93</b>

**V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]**

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
17.08	0.44	17.52	0.10	-2.05	6.11	1.83	0.80	-0.80

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
24.52	58.60	83.12	6.38	75.55	81.93	-18.15	16.95	-1.19

**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	0.45	5.87	40.03	62.22	19.14	11.08	1.75	0.00

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				
50.34	16.05	49.74	0.05	50.02	0.06	0.08	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	412	13:57	401	00:40	0.0	0.0	0.0	0.0
Gorakhpur	400	415	13:02	404	22:18	0.0	0.0	4.1	0.0
Bareilly	400	426	13:22	406	19:23	0.0	0.0	15.8	0.0
Kanpur	400	426	13:01	408	19:19	0.0	0.0	21.4	0.0
Dadri	400	426	03:02	412	19:06	0.0	0.0	58.6	0.0
Ballabgarh	400	432	01:17	414	19:18	0.0	0.0	89.2	9.8
Bawana	400	428	16:04	410	19:18	0.0	0.0	76.4	0.0
Bassi	400	427	16:01	408	05:44	0.0	0.0	32.9	0.0
Hissar	400	421	16:03	397	19:18	0.0	0.0	0.1	0.0
Moga	400	425	02:57	404	19:19	0.0	0.0	32.4	0.0
Abdullapur	400	430	16:01	396	19:14	0.0	0.0	76.8	0.0
Nalagarh	400	434	00:27	396	05:56	0.0	0.0	83.8	25.1
Kishenpur	400	226	02:54	213	19:38	100.0	100.0	0.0	0.0
Wagooora	400	415	16:01	371	19:52	6.0	20.0	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	789	15:43	752	19:20	0.0	0.0	0.0	0.0
Balia	765	778	16:27	756	22:20	0.0	0.0	0.0	0.0
Moga	765	806	03:01	767	19:20	0.0	0.0	19.9	0.0
Agra	765	797	16:04	759	19:20	0.0	0.0	0.0	0.0
Bhiwani	765	805	15:29	773	19:14	0.0	0.0	10.4	0.0
Unnao	765	784	13:02	741	22:21	0.0	0.1	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	481.58	495.33	481.86	503.43	306.13	253.24
Pong	426.72	384.05	403.85	312.39	402.08	266.33	122.10	48.37
Tehri	829.79	740.04	768.95	198.00	770.45	213.00	75.58	209.00
Koteswar	612.50	598.50	611.00	5.20	610.60	5.20	209.00	207.00
Chamera-I	760.00	748.75	755.53	0.00	0.00	0.00	251.66	255.17
Rihand	268.22	252.98	843.20	158.10	849.00	239.50	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	515.59	0.80	515.21	2.79	295.71	96.64

\* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-146	440	0	-150	263	0	-3.53	8.56	5.03
Delhi	-216	-128	-41	-216	72	-41	-5.19	-0.42	-5.61
Haryana	248	-142	0	248	102	0	5.96	1.51	7.47
HP	99	-47	0	-155	-464	0	0.85	-4.90	-4.05
J&K	-70	-56	0	-70	-5	0	-1.69	-0.40	-2.08
CHD	0	0	0	0	-20	0	0.00	-0.11	-0.11
Rajasthan	-121	27	-19	-121	564	2	-2.90	7.22	4.32
UP	161	0	0	172	0	0	3.66	0.00	3.66
Uttarakhand	147	150	49	147	284	28	3.53	5.28	8.81
<b>Total</b>	<b>102</b>	<b>245</b>	<b>-11</b>	<b>-145</b>	<b>795</b>	<b>-10</b>	<b>0.68</b>	<b>16.75</b>	<b>17.43</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-146	-150	457	111	0	0
Delhi	-216	-216	240	-128	-41	-41
Haryana	248	248	146	-206	0	0
HP	99	-155	-28	-660	0	0
J&K	-70	-70	103	-106	0	0
CHD	0	0	0	-25	0	0
Rajasthan	-121	-121	591	-338	2	-19
UP	181	109	0	0	0	0
Uttarakhand	147	147	284	117	49	28

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 12.04.2015 :**

Normal

**XIV. Synchronisation of new generating units :****XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**  
500 MVA ICT-II charged first time on no load at 1902hrs of dated 12/04/15 at Sarnath.**XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**