

# पावर 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 29.04.2015**  
Date of Reporting : 30.04.2015

### 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
39357	2132	41490	50.05	36485	843	37328	50.09	858.5	36.15

\* 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	35.26	6.93		42.19	76.75	76.63	-0.12	118.82	0.00
Haryana	25.30	0.68		25.98	88.06	89.45	1.40	115.43	0.08
Rajasthan	109.70	0.00	4.25	113.95	69.17	71.20	2.04	185.15	0.00
Delhi	22.93			22.93	64.79	65.96	1.17	88.89	0.14
UP	137.69	5.83		143.52	103.68	102.41	-1.27	245.93	27.78
Uttarakhand		12.16		12.16	21.81	23.81	2.00	35.97	0.66
HP		16.12		16.12	8.83	10.01	1.19	26.13	0.00
J & K		13.68	0.00	13.68	23.75	23.79	0.04	37.48	7.50
Chandigarh				0.00	4.70	4.70	0.27	4.70	0.00
<b>Total</b>	<b>330.87</b>	<b>55.40</b>	<b>4.25</b>	<b>390.52</b>	<b>461.53</b>	<b>467.98</b>	<b>6.71</b>	<b>858.49</b>	<b>36.15</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	5619	0	-154	83	4908	0	8	343	5794
Haryana	5938	158	-70	340	5626	0	213	360	5938
Rajasthan	7576	0	29	348	7643	0	-38	567	8281
Delhi	3985	0	-62	119	3537	4	206	-187	4281
UP	11289	1520	62	233	10930	560	-87	197	11413
Uttarakhand	1706	75	56	402	1374	0	59	258	1706
HP	1123	0	35	-853	916	0	50	-679	1272
J&K	1896	379	172	-136	1396	279	-47	-324	1909
Chandigarh	225	0	7	0	155	0	-2	0	237
<b>Total</b>	<b>39357</b>	<b>2132</b>	<b>76</b>	<b>536</b>	<b>36485</b>	<b>843</b>	<b>362</b>	<b>534</b>	<b>39564</b>

!! 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 Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
		(Effective) MW		(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1703	1800	1844	43.92	1830	40.63	3.29
	Rihand I STPS (2*500)	1000	891	940	974	21.74	906	20.13	1.61
	Rihand II STPS (2*500)	1000	960	951	1037	22.93	955	21.13	1.79
	Rihand III STPS (2*500)	1000	963	985	1003	22.52	938	21.35	1.17
	Dadri I STPS (4*210)	840	615	480	507	12.12	505	11.54	0.58
	Dadri II STPS (2*490)	980	980	690	697	18.21	759	18.49	-0.28
	Unchahar I TPS (2*210)	420	349	377	146	6.00	250	6.64	-0.63
	Unchahar II TPS (2*210)	420	401	365	266	6.76	282	7.40	-0.63
	Unchahar III TPS (1*220)	210	0	0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjar) (3*500)	1500	1500	835	772	18.17	757	18.17	0.00
	Dadri GPS (4*130.19+2*154.51)	830	806	380	295	8.97	374	9.05	-0.08
	Anta GPS (3*88.71+1*153.2)	419	385	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	646	157	165	3.83	160	3.97	-0.14
	Dadri Solar	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03
	Singrauli Solar	15	3	0	0	0.04	2	0.07	-0.03
	KHEP	400	0	0	0	0.00	0	0.00	0.00
	<b>Sub Total (A)</b>	<b>11712</b>	<b>10205</b>	<b>7960</b>	<b>7706</b>	<b>185</b>	<b>7720</b>	<b>179</b>	<b>7</b>
	B. NPC	NAPS (2*220)	440	420	422	433	9.29	387	10.08
RAPS- B (2*220)		440	370	410	419	8.91	371	7.30	1.61
RAPS- C (2*220)		440	410	444	442	9.54	398	9.84	-0.30
<b>Sub Total (B)</b>		<b>1320</b>	<b>1200</b>	<b>1276</b>	<b>1294</b>	<b>27.74</b>	<b>1156</b>	<b>27.22</b>	<b>0.52</b>
C. NHPC	Chamera I HPS (3*180)	540	541	550	550	13.16	548	12.98	0.18
	Chamera II HPS (3*100)	300	300	302	313	7.35	306	7.20	0.15
	Chamera III HPS (3*77)	231	231	231	233	5.59	233	5.55	0.04
	Bairasuil HPS(3*60)	180	179	180	180	4.32	180	4.29	0.03
	Salal-HPS (6*115)	690	624	668	669	15.27	636	15.05	0.22
	Tanakpur-HPS (3*40)	94	46	30	32	1.21	50	1.09	0.12
	Uri-I HPS (4*120)	480	475	475	475	11.60	483	11.40	0.20
	Uri-II HPS (4*60)	240	0	0	0	0.00	0	0.00	0.00
	Dhauliganga-HPS (4*70)	280	210	210	0	2.76	115	2.76	0.00
	Dulhasti-HPS (3*130)	390	387	406	401	9.51	396	9.29	0.22
	Sewa-II HPS (3*40)	120	119	130	130	3.08	128	2.86	0.22
	Parbati 3 (4*130)	520	260	260	0	1.78	74	1.78	0.00
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3372</b>	<b>3443</b>	<b>2982</b>	<b>76</b>	<b>3151</b>	<b>74</b>	<b>1</b>
	D.SJVNL	NJPC (6*250)	1500	1605	1609	895	24.85	1035	24.82
Rampur HEP (6*68.67)		412	430	439	259	7.06	294	6.86	0.19
<b>Sub Total (D)</b>		<b>1912</b>	<b>2035</b>	<b>2048</b>	<b>1154</b>	<b>31.91</b>	<b>1330</b>	<b>31.68</b>	<b>0.22</b>
E. THDC	Tehri HPS (4*250)	1000	495	495	0	7.26	302	7.20	0.06
	Koteswar HPS (4*100)	400	146	301	100	3.49	145	3.50	-0.01
	<b>Sub Total (E)</b>	<b>1400</b>	<b>641</b>	<b>796</b>	<b>100</b>	<b>10.75</b>	<b>448</b>	<b>10.70</b>	<b>0.05</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	480	936	291	11.85	494	11.51	0.33
	Dehar HPS (6*165)	990	610	660	560	14.86	619	14.64	0.22
	Pong HPS (6*66)	396	19	190	0	0.50	21	0.45	0.05
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1108</b>	<b>1786</b>	<b>851</b>	<b>27.21</b>	<b>1134</b>	<b>26.60</b>	<b>0.60</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	207	128	3.05	127	3.87	-0.82
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	450	13.44	560	14.53	-1.09
	Malana Stg-II HPS (2*50)	100	0	81	40	1.33	55	1.26	0.07
	Shree Cement TPS (2*150)	300	0	285	256	6.43	268	6.50	-0.07
	Budhil HPS(IPP)	70	0	71	73	1.36	57	1.50	-0.14
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1744</b>	<b>947</b>	<b>25.61</b>	<b>1067</b>	<b>27.66</b>	<b>-2.05</b>
<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>18562</b>	<b>19052</b>	<b>15034</b>	<b>384.12</b>	<b>16005</b>	<b>376.79</b>	<b>7.33</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	420	320	8.09	337
	Guru Nanak Dev TPS(Bhatinda) (4*110)	440	0	80	0.59	25
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	250	170	4.67	194
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1198	867	21.92	913
	Talwandi Saboo (1*660)	660	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>4680</b>	<b>1868</b>	<b>1437</b>	<b>35.26</b>	<b>1469</b>
	Total Hydro	1148	277	281	6.93	289
	<b>Total Punjab</b>	<b>5828</b>	<b>2145</b>	<b>1718</b>	<b>42.19</b>	<b>1758</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	481	557	11.96	498
Faridabad GPS (NTPC)		432	186	185	4.65	194
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	410	563	8.69	362
<b>Thermal (Total)</b>		<b>4944</b>	<b>1077</b>	<b>1305</b>	<b>25.30</b>	<b>1054</b>
Total Hydro		62	24	25	0.68	28
<b>Total Haryana</b>		<b>5006</b>	<b>1101</b>	<b>1330</b>	<b>25.98</b>	<b>1082</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	852	901	21.40
	suratgarh TPS (6*250)	1500	587	610	14.70	613
	Chabra TPS (4*250)	1000	580	644	14.90	621
	Dholpur GPS (3*110)	330	111	109	2.70	113
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	178	184	4.40	183
	RAPS A (NPC) (1*100+1*200)	300	138	140	3.40	142
	Barsingar (NLC) (2*125)	250	163	183	3.90	163
	Giral LTPS (2*125)	250	84	78	1.20	50
	Rajwest LTPS (IPP) (8*135)	1080	718	728	16.70	696
	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	1075	1084	26.40	1100
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4486</b>	<b>4661</b>	<b>110</b>	<b>4571</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	58	175	3.40	142
	Biomass	99	35	35	0.85	35
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	3627	93	210	4.25	177
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4579</b>	<b>4871</b>	<b>113.95</b>	<b>4748</b>
	UP	Anpara TPS (3*210+2*500)	1630	1311	1370	31.80
Obra TPS (2*50+2*94+5*200)		1194	473	461	10.80	450
Paricha TPS (2*110+2*220+2*250)		1140	817	840	18.80	783
Panki TPS (2*105)		210	54	126	2.50	104
Harduaganj TPS (1*60+1*105+2*250)		665	215	216	4.60	192
Tanda TPS (NTPC) (4*110)		440	380	390	8.32	347
Roza TPS (IPP) (4*300)		1200	1071	1071	21.66	902
Anpara-C (IPP) (2*600)		1200	1080	1053	23.12	963
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	282	6.49	5337
Anpara-D		500	0	0	0.00	0
<b>Thermal (Total)</b>		<b>8629</b>	<b>5684</b>	<b>5809</b>	<b>128</b>	<b>10403</b>
Vishnuparyag HPS (IPP)		400	190	184	4.35	181
Other Hydro		527	57	71	1.48	62
Cogeneration		981	400	400	9.60	400
<b>Total UP</b>		<b>10537</b>	<b>6331</b>	<b>6464</b>	<b>143.52</b>	<b>10865</b>
Uttarakhand		Total Hydro	1398	537	523	12.16
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>537</b>	<b>523</b>	<b>12.16</b>	<b>507</b>
Delhi	Rajghat TPS (2*67.5)	135	50	50	1.13	47
	Delhi Gas Turbine (6x30 + 3x34)	282	76	77	1.81	75
	Pragati Gas Turbine (2x104+ 1x122)	330	284	271	6.72	280
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	307	270	6.95	290
	Badarpur TPS (NTPC) (3*95+2*210)	705	304	297	6.32	263
	<b>Thermal (Total)</b>	<b>2917</b>	<b>1021</b>	<b>965</b>	<b>22.93</b>	<b>955</b>
<b>Total Delhi</b>	<b>2917</b>	<b>1021</b>	<b>965</b>	<b>22.93</b>	<b>955</b>	
HP	Baspa HPS (IPP) (2*150)	300	203	81	2.76	115
	Malana HPS (IPP) (2*43)	86	91	44	1.46	61
	Other Hydro	728	504	505	11.91	496
	<b>Total HP</b>	<b>1114</b>	<b>798</b>	<b>630</b>	<b>16.12</b>	<b>672</b>
J & K	Baglihar HPS (IPP) (3*150)	450	440	440	10.56	440
	Other Hydro/IPP	436	135	129	3.12	130
	Gas/Diesel/Others	209	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1094</b>	<b>575</b>	<b>569</b>	<b>13.68</b>	<b>570</b>
<b>Total State Control Area Generation</b>		<b>40347</b>	<b>17087</b>	<b>17070</b>	<b>390.52</b>	<b>21157</b>
<b>J. Net Inter Regional Exchange</b> [Import (+ve)/Export (-ve)]			<b>4665</b>	<b>5153</b>	<b>111.55</b>	<b>4648</b>
<b>Total Regional Availability(Gross)</b>		<b>65319</b>	<b>40804</b>	<b>37257</b>	<b>886.19</b>	<b>41810</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	9460	5705	163.310683	6805
State Control Area Hydro	5684	2268	2099	55.40	2127
<b>Total Regional Hydro</b>	<b>17654</b>	<b>11728</b>	<b>7804</b>	<b>218.71</b>	<b>8932</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	-100	-100	250	200	0.18	2.98	-2.80
Gwalior-Agra (D/C)	1897	1981	2050	0	41.15	0.00	41.15
Zerda-Kankroli	-143	-197	0	295	0.00	5.48	-5.48
Zerda-Bhinmal	-78	-148	0	272	0.00	3.50	-3.50
Malanpur-Auraiya	-55	-50	0	79	0.00	1.22	-1.22
Badod-Kota/Morak	-86	-48	1	65	0.00	1.67	-1.67
Mundra-Mohindergarh(HVDC)	2498	2297	2512	0	57.93	0.00	57.93
Vindhychal - Rihand	463	477	514	0	11.29	0.00	11.29
<b>Sub Total WR</b>	<b>4396</b>	<b>4212</b>			<b>110.54</b>	<b>14.85</b>	<b>95.70</b>
Pusaui Bypass	400	200	400	0	6.73	0.00	6.73
MZP- GKP (D/C)	-166	100	118	132	0.63	0.00	0.63
Patna-Balia(D/C)	290	326	337	0	7.18	0.00	7.18
B'Sharif-Balia (D/C)	-100	-31	6	131	0.00	1.79	-1.79
Pusaui-Balia	-81	-31	6	131	0.00	0.71	-0.71
Gaya-Fatehpur (765 Kv)	-19	210	213	114	2.41	0.00	2.41
Pusaui-Sahupuri	142	132	174	0	3.42	0.00	3.42
K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48
Son Ngr-Rihand	-40	-36	0	44	0.00	0.95	-0.95
Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-157	71	85	252	0.00	0.60	-0.60
<b>Sub Total ER</b>	<b>269</b>	<b>941</b>			<b>20.37</b>	<b>4.52</b>	<b>15.85</b>
<b>Total IR Exch</b>	<b>4665</b>	<b>5153</b>			<b>130.91</b>	<b>19.36</b>	<b>111.55</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
20.60	0.91	21.51	-5.02	-1.75	0.66	-2.22	0.88	-0.88

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
18.04	85.18	103.22	15.85	95.70	111.55	-2.18	10.51	8.33

**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	0.35	5.56	49.24	72.92	15.63	5.21	0.69	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				
50.37	18.04	49.75	9.14	50.00	0.07	0.04	50.24	0.00

**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	403	00:00	399	19:31	0.0	0.0	0.0	0.0
Gorakhpur	400	415	09:31	395	19:25	0.0	0.0	0.0	0.0
Bareilly	400	416	17:59	372	19:29	0.1	0.1	0.0	0.0
Kanpur	400	414	07:58	397	19:28	0.0	0.0	0.0	0.0
Dadri	400	418	06:01	400	19:25	0.0	0.0	0.0	0.0
Ballabgarh	400	424	06:03	403	19:25	0.0	0.0	16.3	0.0
Bawana	400	423	06:02	138	10:42	6.2	6.2	4.8	0.0
Bassi	400	424	04:00	403	00:03	0.0	0.0	6.9	0.0
Hissar	400	414	17:58	389	19:24	0.0	0.7	0.0	0.0
Moga	400	417	13:01	398	19:25	0.0	0.0	0.0	0.0
Abdullapur	400	426	06:02	396	19:24	0.0	0.0	33.3	0.0
Nalagarh	400	425	04:02	403	19:25	0.0	0.0	18.5	0.0
Kishenpur	400	417	04:02	398	19:50	0.0	0.0	0.0	0.0
Wagooora	400	411	04:01	377	20:11	3.2	18.3	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	768	08:00	737	19:32	0.0	2.9	0.0	0.0
Balia	765	761	05:28	739	19:22	0.0	2.7	0.0	0.0
Moga	765	794	17:58	758	19:25	0.0	0.0	0.0	0.0
Agra	765	789	18:01	752	00:05	0.0	0.0	0.0	0.0
Bhiwani	765	799	06:00	763	19:25	0.0	0.0	0.0	0.0
Unnao	765	760	08:02	732	19:36	0.0	21.7	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	484.48	569.03	483.00	536.06	605.27	347.28
Pong	426.72	384.05	405.19	344.07	402.56	281.22	218.44	34.12
Tehri	829.79	740.04	762.50	141.00	759.00	113.04	117.20	222.00
Koteswar	612.50	598.50	611.15	5.20	610.91	4.95	222.00	231.00
Chamera-I	760.00	748.75	755.31	0.00	0.00	0.00	370.55	356.47
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	521.10	3.13	516.97	4.10	583.66	126.77

\* 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	-150	491	2	-152	235	0	-3.60	9.25	5.65
Delhi	-147	0	-41	-97	217	0	-2.57	3.56	0.99
Haryana	189	171	0	175	165	0	4.36	-0.73	3.63
HP	99	-777	0	-105	-749	0	1.15	-17.06	-15.92
J&K	-70	-254	0	-121	-15	0	-2.67	-2.36	-5.03
CHD	0	0	0	0	0	0	0.00	0.23	0.23
Rajasthan	-125	690	2	-121	467	2	-2.95	14.41	11.47
UP	197	0	0	233	0	0	4.76	0.00	4.76
Uttarakhand	0	211	47	0	367	35	0.00	7.26	7.26
<b>Total</b>	<b>-8</b>	<b>532</b>	<b>11</b>	<b>-188</b>	<b>688</b>	<b>37</b>	<b>-1.52</b>	<b>14.58</b>	<b>13.05</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-150	-152	508	199	2	0
Delhi	-68	-147	363	-94	0	-41
Haryana	189	175	174	-638	0	0
HP	99	-105	-433	-906	0	0
J&K	-70	-152	59	-254	0	0
CHD	0	0	34	0	0	0
Rajasthan	-121	-125	995	360	2	2
UP	233	156	0	0	0	0
Uttarakhand	0	0	370	136	49	32

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 29.04.2015 :**

Normal

**XIV. Synchronisation of new generating units :****XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :**

400 kv Sarojani nagar 315 MVA ICT-1 first time charged at 14:42 hrs on no load by replacing an old 240 MVA ICT.

**XVI. Tripping of lines in pooling stations :****XVII. Complete generation loss in a generating station :**