

# 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 20.06.2015  
Date of Reporting : 21.06.2015

### 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
46625	2389	49013	50.04	46006	3017	49023	50.10	1067.1	49.47

\* 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	90.62	15.93		106.55	110.24	109.92	-0.33	216.46	0.00
Haryana	50.15	0.81		50.96	110.65	108.89	-1.75	159.85	0.01
Rajasthan	105.77	0.00	13.54	119.31	76.22	81.06	4.85	200.37	0.00
Delhi	23.27			23.27	87.66	86.85	-0.81	110.12	0.09
UP	136.40	17.10		153.50	131.30	131.14	-0.15	284.64	41.24
Uttarakhand		19.72		19.72	15.88	13.00	-2.88	32.72	0.15
HP		20.60		20.60	3.34	3.48	0.14	24.08	0.14
J & K		15.13	0.00	15.13	19.84	18.03	-1.81	33.16	7.84
Chandigarh				0.00	6.16	5.72	0.27	5.72	0.00
<b>Total</b>	<b>406.21</b>	<b>89.28</b>	<b>13.54</b>	<b>509.03</b>	<b>561.28</b>	<b>558.09</b>	<b>-2.48</b>	<b>1067.12</b>	<b>49.47</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	10067	0	61	905	9120	0	-136	909	10135
Haryana	7696	21	-223	1088	7415	0	-428	1175	8021
Rajasthan	7485	0	-70	-33	7653	0	206	-220	9395
Delhi	4257	32	-187	227	5191	0	222	428	5639
UP	12271	1870	411	733	12869	2740	432	784	12869
Uttarakhand	1722	0	93	225	1284	0	-330	167	1800
HP	1016	0	-27	-1118	672	4	-84	-1222	1190
J&K	1864	466	171	-279	1549	273	71	-284	1864
Chandigarh	246	0	-28	0	254	0	-11	0	285
<b>Total</b>	<b>46625</b>	<b>2389</b>	<b>200</b>	<b>1749</b>	<b>46006</b>	<b>3017</b>	<b>-57</b>	<b>1739</b>	<b>47581</b>

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

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

Diversity is 1.08

### III. Regional Entities :

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1435	1524	1518	36.40	1516	33.43	2.96
	Rihand I STPS (2*500)	1000	420	444	450	9.93	414	9.28	0.65
	Rihand II STPS (2*500)	1000	888	867	1014	19.78	824	19.46	0.32
	Rihand III STPS (2*500)	1000	779	868	956	17.61	734	17.33	0.28
	Dadri I STPS (4*210)	840	810	613	705	16.18	674	15.35	0.84
	Dadri II STPS (2*490)	980	975	713	875	20.09	837	20.58	-0.49
	Unchahar I TPS (2*210)	420	402	399	385	8.26	344	8.51	-0.25
	Unchahar II TPS (2*210)	420	400	415	337	8.18	341	8.08	0.10
	Unchahar III TPS (1*220)	210	200	209	167	4.13	172	4.01	0.11
	ISTPP (Jhajjhar) (3*500)	1500	950	857	620	14.76	615	14.94	-0.18
	Dadri GPS (4*130.19+2*154.51)	830	792	372	377	9.20	383	9.08	0.13
	Anta GPS (3*88.71+1*153.2)	419	372	230	277	6.13	255	6.18	-0.05
	Auraiya GPS (4*111.19+2*109.30)	663	632	241	331	6.99	291	7.20	-0.22
	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	0.08	3	0.07	0.01
	KHEP	400	0	0	0	0.00	0	0.00	0.00
<b>Sub Total (A)</b>	<b>11712</b>	<b>9062</b>	<b>7752</b>	<b>8012</b>	<b>178</b>	<b>7407</b>	<b>174</b>	<b>4</b>	
B. NPC	NAPS (2*220)	440	367	415	408	8.97	374	8.80	0.17
	RAPS- B (2*220)	440	367	413	415	8.80	367	8.81	0.00
	RAPS- C (2*220)	440	405	430	428	9.18	383	9.72	-0.54
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1139</b>	<b>1258</b>	<b>1251</b>	<b>26.96</b>	<b>1123</b>	<b>27.33</b>	<b>-0.37</b>
C. NHPC	Chamera I HPS (3*180)	540	537	550	545	12.80	533	12.82	-0.02
	Chamera II HPS (3*100)	300	300	314	309	7.33	305	7.20	0.13
	Chamera III HPS (3*77)	231	231	235	233	5.50	229	5.55	-0.05
	Bairasuil HPS(3*60)	180	179	184	124	3.08	128	3.04	0.04
	Salal-HPS (6*115)	690	661	672	672	16.18	674	15.99	0.19
	Tanakpur-HPS (3*40)	94	74	75	90	1.81	75	1.78	0.03
	Uri-I HPS (4*120)	480	475	473	474	11.56	482	11.40	0.16
	Uri-II HPS (4*60)	240	120	120	120	2.88	120	2.88	0.00
	Dhauliganga-HPS (4*70)	280	256	287	278	5.88	245	6.12	-0.24
	Dulhasti-HPS (3*130)	390	386	391	395	9.30	387	9.26	0.04
	Sewa-II HPS (3*40)	120	119	128	122	2.56	107	2.61	-0.05
	Parbati 3 (4*130)	520	390	394	135	4.52	188	4.52	0.00
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3729</b>	<b>3824</b>	<b>3499</b>	<b>83</b>	<b>3475</b>	<b>83</b>	<b>0</b>
D. SJVNL	NJPC (6*250)	1500	1605	1626	1627	38.43	1601	38.30	0.13
	Rampur HEP (6*68.67)	412	375	374	374	8.98	374	9.00	-0.02
	<b>Sub Total (D)</b>	<b>1912</b>	<b>1980</b>	<b>2000</b>	<b>2001</b>	<b>47.41</b>	<b>1976</b>	<b>47.30</b>	<b>0.11</b>
E. THDC	Tehri HPS (4*250)	1000	488	492	492	9.95	415	9.95	0.00
	Koteshwar HPS (4*100)	400	300	204	102	5.57	232	5.80	-0.23
	<b>Sub Total (E)</b>	<b>1400</b>	<b>788</b>	<b>696</b>	<b>594</b>	<b>15.52</b>	<b>647</b>	<b>15.75</b>	<b>-0.23</b>
F. BBMB	Bhakra HPS (3*108+2*126+6*157)	1514	1140	1318	945	27.17	1132	27.37	-0.20
	Dehar HPS (6*165)	990	611	825	560	14.49	604	14.67	-0.18
	Pong HPS (6*66)	396	129	258	66	2.98	124	3.10	-0.12
	<b>Sub Total (F)</b>	<b>2900</b>	<b>1881</b>	<b>2401</b>	<b>1571</b>	<b>44.64</b>	<b>1860</b>	<b>45.13</b>	<b>-0.49</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	232	231	5.47	228	5.30	0.18
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1200	1200	28.55	1190	28.51	0.04
	Malana Stg-II HPS (2*50)	100	0	111	101	2.29	95	2.10	0.19
	Shree Cement TPS (2*150)	300	0	266	294	6.97	290	7.04	-0.07
	Budhil HPS(IPP) (2*35)	70	0	74	74	1.75	73	1.68	0.08
	Sub Total (G)	1662	0	1882	1899	45.03	1876	44.62	0.41
	<b>H. Total Regional Entities (A-G)</b>	<b>24972</b>	<b>18578</b>	<b>19813</b>	<b>18827</b>	<b>440.73</b>	<b>18364</b>	<b>436.89</b>	<b>3.85</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	1110	900	21.94	914
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	464	360	9.32	388
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	913	841	20.06	836
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1383	1342	28.46	1186
	Talwandi Saboo (1*660)	660	615	451	10.85	452
	<b>Thermal (Total)</b>	<b>4700</b>	<b>4485</b>	<b>3894</b>	<b>90.62</b>	<b>3776</b>
	Total Hydro	1000	768	666	15.93	664
	<b>Total Punjab</b>	<b>5700</b>	<b>5253</b>	<b>4560</b>	<b>106.55</b>	<b>4439</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	229	136	4.81
DCRTPP (Yamuna nagar) (2*300)		600	276	540	8.01	334
Faridabad GPS (NTPC)		432	183	173	4.35	181
RGTPP (Khedar) (IPP) (2*600)		1200	1153	1150	21.39	891
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	593	616	11.59	483
<b>Thermal (Total)</b>		<b>4944</b>	<b>2434</b>	<b>2615</b>	<b>50.15</b>	<b>2089</b>
Total Hydro		62	33	32	0.81	34
<b>Total Haryana</b>		<b>5006</b>	<b>2467</b>	<b>2647</b>	<b>50.96</b>	<b>2123</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	789	634	18.74
	suratgarh TPS (6*250)	1500	759	1072	20.95	873
	Chabra TPS (4*250)	1000	582	527	14.64	610
	Dholpur GPS (3*110)	330	78	77	1.91	80
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	153	47	2.37	99
	RAPS A (NPC) (1*100+1*200)	300	136	138	3.38	141
	Barsingar (NLC) (2*125)	250	95	96	2.19	91
	Giral LTPS (2*125)	250	89	92	1.83	76
	Rajwest LTPS (IPP) (8*135)	1080	405	653	15.03	626
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(1*600)	600	452	460	10.97	457
	Kawai(Adani) (2*660)	1320	491	601	13.77	574
	<b>Thermal (Total)</b>	<b>8276</b>	<b>4029</b>	<b>4397</b>	<b>106</b>	<b>4407</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	2798	664	359	10.38	433
	Biomass	99	27	27	0.64	27
	Solar	730	1	0	2.52	105
	Renewable/Others (Total)	3627	692	386	13.54	564
	<b>Total Rajasthan</b>	<b>12453</b>	<b>4721</b>	<b>4783</b>	<b>119.31</b>	<b>4971</b>
	UP	Anpara TPS (3*210+2*500)	1630	1231	1343	29.80
Obra TPS (2*50+2*94+5*200)		1194	408	406	9.70	404
Paricha TPS (2*110+2*220+2*250)		1140	752	727	17.40	725
Panki TPS (2*105)		210	122	140	3.20	133
Harduaganj TPS (1*60+1*105+2*250)		665	550	446	11.80	492
Tanda TPS (NTPC) (4*110)		440	370	352	8.90	371
Roza TPS (IPP) (4*300)		1200	806	792	18.40	767
Anpara-C (IPP) (2*600)		1200	1073	1049	25.90	1079
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	403	8.40	350
Anpara-D(1*500)		500	0	0	0.00	0
Lalitpur TPS(1*660)		660	0	0	0.00	0
<b>Thermal (Total)</b>		<b>9289</b>	<b>5715</b>	<b>5658</b>	<b>134</b>	<b>5563</b>
Vishnuparyag HPS (IPP)(including Alakanada)		730	675	298	13.60	567
Other Hydro		527	169	171	3.50	146
Cogeneration		981	120	120	2.90	121
<b>Total UP</b>		<b>11527</b>	<b>6679</b>	<b>6247</b>	<b>153.50</b>	<b>5829</b>
Uttarakhand		Total Hydro	1398	813	807	19.72
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>813</b>	<b>807</b>	<b>19.72</b>	<b>822</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.02	1
	Delhi Gas Turbine (6x30 + 3x34)	282	72	71	1.71	71
	Pragati Gas Turbine (2x104+ 1x122)	330	264	260	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (6*250)	1370	270	269	6.47	269
	Badarpur TPS (NTPC) (3*95+2*210)	705	391	350	8.70	362
	<b>Thermal (Total)</b>	<b>2917</b>	<b>997</b>	<b>950</b>	<b>23.27</b>	<b>970</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>997</b>	<b>950</b>	<b>23.27</b>	<b>970</b>
HP	Baspa HPS (IPP) (2*100)	300	332	302	7.45	310
	Malana HPS (IPP) (2*43)	86	90	89	2.02	84
	Other Hydro	878	498	383	11.12	463
	<b>Total HP</b>	<b>1264</b>	<b>920</b>	<b>774</b>	<b>20.60</b>	<b>858</b>
J & K	Baglihar HPS (IPP) (3*150)	450	442	442	10.61	442
	Other Hydro/IPP	560	171	201	4.52	188
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1200</b>	<b>613</b>	<b>643</b>	<b>15.13</b>	<b>630</b>
<b>Total State Control Area Generation</b>		<b>41465</b>	<b>22463</b>	<b>21411</b>	<b>509.03</b>	<b>20643</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>4920</b>	<b>4694</b>	<b>133.49</b>	<b>5562</b>
<b>Total Regional Availability(Gross)</b>		<b>66437</b>	<b>47196</b>	<b>44932</b>	<b>1083.25</b>	<b>44569</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	11969	10463	9196	227.29	9470
State Control Area Hydro	5811	3316	3093	89.28	3154
<b>Total Regional Hydro</b>	<b>17780</b>	<b>13779</b>	<b>12289</b>	<b>316.58</b>	<b>12624</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	150		150		350	50	3.49	
Gwalior-Agra (D/C)	2223		2019		2381	0	42.41	0.00	42.41
Zerda-Kankroli	3		-101		70	168	0.00	1.61	-1.61
Zerda-Bhinmal	24		-85		154	210	0.00	0.74	-0.74
Malanpur-Auraiya	0		0		0	0	0.00	0.00	0.00
Badod-Kota/Morak	0		16		77	82	0.46	0.00	0.46
Mundra-Mohinderqar(HVDC)	2500		2500		2505	0	54.24	0.00	54.24
Vindhychal - Rihand	-473		-431		491	0	10.68	0.00	10.68
<b>Sub Total WR</b>	<b>4427</b>		<b>4068</b>				<b>111.28</b>	<b>2.62</b>	<b>108.66</b>
Pusauli Bypass	400		400		400	0	8.96	0.00	8.96
MZP- GKP (D/C)	88		181		287	36	3.64	0.00	3.64
Patna-Balia(D/C)	184		207		325	0	4.78	0.00	4.78
B'Sharif-Balia (D/C)	-16		-21		110	105	0.00	0.03	-0.03
Pusauli-Balia	33		67		160	0	0.75	0.00	0.75
Gaya-Fatehpur (765 Kv)	0		-1		0	0	0.00	0.08	-0.08
Pusauli-Sahupuri	145		144		173	0	3.66	0.00	3.66
K'nasa-Sahupuri	0		0		0	0	0.00	0.00	0.00
Son Ngr-Rihand	-42		-35		0	42	0.00	0.89	-0.89
Garhwa-Rihand	0		0		0	0	0.00	0.00	0.00
Sasaram - Fatehpur(765 KV)	-45		-90		119	173	0.00	0.18	-0.18
Barh -GKP (D/C)	-254		-226		276	0	4.22	0.00	4.22
<b>Sub Total ER</b>	<b>493</b>		<b>626</b>				<b>26.00</b>	<b>1.17</b>	<b>24.83</b>
<b>Total IR Exch</b>	<b>4920</b>		<b>4694</b>				<b>137.27</b>	<b>3.79</b>	<b>133.49</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
37.00	1.75	38.75	12.74	1.59	-0.07	0.00	0.69	-0.69

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
52.10	90.90	143.00	24.83	108.66	133.49	-27.28	17.76	-9.52

**V(C). Inter National Exchange with Nepal [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	
	132 KV Tanakpur - Mahendamaagar	25		32		0	35	0	

**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	0.00	1.96	28.19	53.58	27.05	15.06	2.52	NA

Frequency (Hz)				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)
50.31	17.08	49.82	19.39	50.04	0.07	0.07	50.32	49.99

**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	405	07:57	397	00:06	0.0	0.0	0.0	0.0
Gorakhpur	400	415	05:07	400	19:20	0.0	0.0	0.0	0.0
Bareilly	400	418	08:00	396	20:00	0.0	0.0	2.2	0.0
Kanpur	400	411	03:37	396	19:49	0.0	0.0	0.0	0.0
Dadri	400	417	05:59	401	00:07	0.0	0.0	0.0	0.0
Ballabgarh	400	421	08:00	403	13:49	0.0	0.0	0.5	0.0
Bawana	400	412	18:05	401	19:51	0.0	0.0	0.0	0.0
Bassi	400	418	03:30	395	07:20	0.0	0.0	0.0	0.0
Hissar	400	409	08:01	391	19:37	0.0	0.0	0.0	0.0
Moga	400	410	08:02	395	19:53	0.0	0.0	0.0	0.0
Abdullapur	400	416	08:02	396	19:18	0.0	0.0	0.0	0.0
Nalagarh	400	416	08:01	400	00:18	0.0	0.0	0.0	0.0
Kishenpur	400	415	08:03	399	19:31	0.0	0.0	0.0	0.0
Wagoora	400	408	05:57	378	19:35	1.9	13.1	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	771	03:49	732	19:51	0.0	12.8	0.0	0.0
Balia	765	774	05:07	741	19:48	0.0	0.6	0.0	0.0
Moga	765	790	08:02	759	19:52	0.0	0.0	0.0	0.0
Agra	765	781	03:33	751	19:48	0.0	0.0	0.0	0.0
Bhiwani	765	796	08:02	766	13:49	0.0	0.0	0.0	0.0
Unnao	765	763	05:07	732	19:48	0.0	36.6	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	487.45	652.97	484.99	585.65	1363.37	963.99
Pong	426.72	384.05	405.68	361.16	401.75	259.17	349.88	205.10
Tehri	829.79	740.04	742.00	9.50	744.55	25.00	374.14	352.00
Koteshwar	612.50	598.50	609.98	4.95	610.57	4.95	352.00	369.00
Chamera-I	760.00	748.75	753.52	0.00	0.00	0.00	489.63	347.14
Rihand	268.22	252.98	837.70	89.40	840.90	128.70	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	522.15	7.40	521.07	10.28	254.72	318.31

\* 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	909	0	0	905	0	0	23.45	0.15	23.60
Delhi	339	114	-25	261	-9	-25	7.41	4.24	11.64
Haryana	992	183	0	991	97	0	24.31	-4.32	19.98
HP	-983	-238	0	-832	-286	0	-21.17	-5.97	-27.14
J&K	-439	155	0	-434	155	0	-10.66	-0.88	-11.54
CHD	0	0	0	0	0	0	0.24	0.00	0.24
Rajasthan	-401	179	2	-403	368	2	-8.90	18.08	9.18
UP	784	0	0	733	0	0	14.93	0.00	14.93
Uttarakhand	27	118	23	26	177	22	0.86	3.07	3.94
<b>Total</b>	<b>1228</b>	<b>511</b>	<b>-1</b>	<b>1248</b>	<b>503</b>	<b>-1</b>	<b>30.46</b>	<b>14.36</b>	<b>44.82</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1260	882	88	0	0	0
Delhi	432	196	593	-223	0	-25
Haryana	1099	984	193	-866	0	0
HP	-832	-983	-208	-431	0	0
J&K	-398	-498	253	-295	0	0
CHD	30	0	10	0	0	0
Rajasthan	-243	-414	1771	118	2	0
UP	886	471	0	0	0	0
Uttarakhand	74	23	177	0	23	0

**XI. System Constraints:****XII. Grid Disturbance / Any Other Significant Event:****XIII. Weather Conditions For 20.06.2015 :**

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 :**