

# पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.06.2016  
Date of Reporting : 27.06.2016



### 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
47394	1165	48558	50.08	48996	2233	51229	50.03	1139.8	25.90

\*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	103.09	14.75		117.84	119.08	118.12	-0.97	235.96	0.00
Haryana	55.46	0.76		56.22	122.53	121.58	-0.95	177.80	0.01
Rajasthan	120.11	0.00	9.28	129.39	61.32	62.29	0.97	191.68	0.39
Delhi	19.21			19.21	96.43	96.76	0.34	115.97	0.05
UP	132.84	21.60		154.44	156.85	160.22	3.37	314.66	17.83
Uttarakhand	19.55			19.55	19.01	20.17	1.15	39.72	0.06
HP	19.61			19.61	4.87	6.36	1.49	25.97	0.00
J & K	18.32		0.00	18.32	18.57	13.85	-4.73	32.16	7.56
Chandigarh				0.00	5.69	5.84	0.27	5.84	0.00
<b>Total</b>	<b>430.71</b>	<b>94.60</b>	<b>9.28</b>	<b>534.59</b>	<b>604.35</b>	<b>605.19</b>	<b>0.95</b>	<b>1139.77</b>	<b>25.90</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				Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	9889	0	-174	1666	9640	0	29	1434	10143	22:00	0
Haryana	7648	0	-251	1261	8075	0	53	1464	8381	21:00	0
Rajasthan	7252	0	-90	80	8264	0	11	93	8595	1:00	0
Delhi	4527	0	-121	466	5180	0	130	743	5688	24:00	3
UP	13422	710	139	1170	13301	1850	188	1270	13454	23:00	2170
Uttarakhand	1785	40	93	174	1714	0	110	46	1824	21:00	80
HP	950	0	32	-1351	1034	0	12	-1422	1189	12:00	0
J&K	1659	415	-72	-364	1533	383	36	-548	1659	20:00	415
Chandigarh	262		4	0	254	0	24	0	298	22:00	0
<b>Total</b>	<b>47394</b>	<b>1165</b>	<b>-441</b>	<b>3103</b>	<b>48996</b>	<b>2233</b>	<b>593</b>	<b>3079</b>	<b>50324</b>	<b>23:00</b>	<b>2564</b>

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

Diversity is: 1.02

### III. Regional Entities :

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI	
								(MW)	(Hrs)
<b>A. NTPC</b>									
Singrauli STPS (5*200+2*500)	2000	1890	2070	2055	45.82	1909	45.31		0.51
Rihand I STPS (2*500)	1000	426	520	480	10.24	427	10.12		0.11
Rihand II STPS (2*500)	1000	946	1012	1023	22.71	946	22.47		0.24
Rihand III STPS (2*500)	1000	943	1001	1000	22.24	927	22.37		-0.13
Dadri I STPS (4*210)	840	805	390	401	8.31	346	8.81		-0.51
Dadri II STPS (2*490)	980	960	721	940	18.30	762	19.59		-1.29
Unchahar I TPS (2*210)	420	346	358	349	7.15	298	7.92		-0.77
Unchahar II TPS (2*210)	420	400	406	420	8.16	340	8.97		-0.81
Unchahar III TPS (1*210)	210	200	201	205	4.06	169	4.49		-0.43
ISTPP (Jhajjar) (3*500)	1500	1425	1178	1176	24.48	1020	25.31		-0.83
Dadri GPS (4*130.19+2*154.51)	830	786	186	182	4.16	173	4.27		-0.11
Anta GPS (3*88.71+1*153.2)	419	398	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	631	0	0	0.00	0	0.00		0.00
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	1	0	0	0.04	2	0.03		0.01
Singrauli Solar(15)	15	2	0	0	0.06	2	0.06		0.00
KHEP(4*200)	800	855	852	852	20.55	856	20.52		0.03
<b>Sub Total (A)</b>	<b>12112</b>	<b>11017</b>	<b>8895</b>	<b>9083</b>	<b>196</b>	<b>8179</b>	<b>200</b>		<b>-3.98</b>
<b>B. NPC</b>									
NAPS (2*220)	440	377	417	423	9.07	378	9.05		0.02
RAPS- B (2*220)	440	370	411	417	8.91	371	8.88		0.03
RAPS- C (2*220)	440	410	433	445	9.41	392	9.84		-0.43
<b>Sub Total (B)</b>	<b>1320</b>	<b>1157</b>	<b>1261</b>	<b>1285</b>	<b>27.39</b>	<b>1141</b>	<b>27.77</b>		<b>-0.38</b>
<b>C. NHPC</b>									
Chamera I HPS (3*180)	540	548	548	182	10.17	424	10.00		0.17
Chamera II HPS (3*100)	300	58	200	0	1.55	65	1.37		0.18
Chamera III HPS (3*77)	231	8	0	0	0.27	11	0.18		0.09
Bairasuli HPS(3*60)	180	120	122	122	2.23	93	2.16		0.07
Salal-HPS (6*115)	690	227	0	663	5.47	228	5.44		0.03
Tanakpur-HPS (3*31.4)	94	72	92	42	1.89	79	1.71		0.18
Uri-I HPS (4*120)	480	475	476	474	11.54	481	11.40		0.15
Uri-II HPS (4*60)	240	237	239	239	5.69	237	5.54		0.15
Dhauliganga-HPS (4*70)	280	280	289	281	5.89	245	5.83		0.06
Dulhasti-HPS (3*130)	390	258	273	267	6.31	263	6.19		0.12
Sewa-II HPS (3*40)	120	119	127	0	0.51	21	0.50		0.00
Parbati 3 (4*130)	520	390	394	126	3.71	154	3.63		0.07
<b>Sub Total (C)</b>	<b>4065</b>	<b>2785</b>	<b>2759</b>	<b>2396</b>	<b>55</b>	<b>2302</b>	<b>54</b>		<b>1.27</b>
<b>D. SJVNL</b>									
NJPC (6*250)	1500	1605	1627	1618	38.52	1605	38.52		0.01
Rampur HEP (6*68.67)	412	442	372	447	10.26	427	10.61		-0.35
<b>Sub Total (D)</b>	<b>1912</b>	<b>2047</b>	<b>1999</b>	<b>2065</b>	<b>48.78</b>	<b>2033</b>	<b>49.13</b>		<b>-0.35</b>
<b>E. THDC</b>									
Tehri HPS (4*250)	1000	568	582	424	6.30	263	6.00		0.30
Koteshwar HPS (4*100)	400	135	398	92	3.29	137	3.25		0.04
<b>Sub Total (E)</b>	<b>1400</b>	<b>703</b>	<b>980</b>	<b>516</b>	<b>9.59</b>	<b>400</b>	<b>9.25</b>		<b>0.34</b>
<b>F. BBMB</b>									
Bhakra HPS (2*108+3*126+5*157)	1379	1055	1293	900	25.39	1058	25.33		0.06
Dehar HPS (6*165)	990	617	825	495	14.82	618	14.82		0.00
Pong HPS (6*66)	396	62	144	0	1.42	59	1.48		-0.05
<b>Sub Total (F)</b>	<b>2765</b>	<b>1734</b>	<b>2262</b>	<b>1395</b>	<b>41.63</b>	<b>1735</b>	<b>41.62</b>		<b>0.01</b>
<b>G. IPP(s)/JV(s)</b>									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	182	142	3.58	149	3.45		0.12
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.24	1093	26.13		0.10
Malana Stg-II HPS (2*50)	100	0	57	111	1.54	64	1.51		0.03
Shree Cement TPS (2*150)	300	0	269	283	6.60	275	6.59		0.02
Budhil HPS(IPP) (2*35)	70	0	38	38	0.89	37	0.90		-0.01
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1645</b>	<b>1674</b>	<b>38.85</b>	<b>1619</b>	<b>38.59</b>		<b>0.27</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>19444</b>	<b>19801</b>	<b>18413</b>	<b>417.77</b>	<b>17407</b>	<b>420.59</b>		<b>-2.81</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	1050	1050	22.46	936
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	330	330	6.65	277
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	890	943	19.56	815
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	30.62	1276
	Talwandi Saboo (3*660)	1980	950	1100	23.83	993
	<b>Thermal (Total)</b>	<b>6560</b>	<b>4540</b>	<b>4743</b>	<b>103.09</b>	<b>4295</b>
	Total Hydro	1000	638	628	14.75	615
	<b>Total Punjab</b>	<b>7560</b>	<b>5178</b>	<b>5371</b>	<b>117.84</b>	<b>4910</b>
	Haryana	Panipat TPS (2*210+2*250)	920	799	574	16.96
DCRTPP (Yamuna nagar) (2*300)		600	546	560	12.10	504
Faridabad GPS (NTPC)(2*137.75+1*156)		432	182	188	4.06	169
RGTPP (khedar) (IPP) (2*600)		1200	422	566	11.17	465
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	449	603	11.17	465
<b>Thermal (Total)</b>		<b>4497</b>	<b>2398</b>	<b>2491</b>	<b>55.46</b>	<b>2311</b>
Total Hydro		62	31	25	0.76	32
<b>Total Haryana</b>		<b>4559</b>	<b>2429</b>	<b>2516</b>	<b>56.22</b>	<b>2342</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	972	961	23.50
	suratgarh TPS (6*250)	1500	825	958	18.33	764
	Chabra TPS (4*250)	1000	371	426	9.18	383
	Dholpur GPS (3*110)	330	85	77	2.19	91
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	136	142	3.46	144
	RAPS A (NPC) (1*100+1*200)	300	136	137	3.43	143
	Barsingar (NLC) (2*125)	250	188	171	4.34	181
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	599	843	18.88	787
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	406	536	9.18	383
	Kawai(Adani) (2*660)	1320	895	1199	27.62	1151
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4613</b>	<b>5450</b>	<b>120</b>	<b>5005</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	37	201	6.50	271
	Biomass	99	21	21	0.50	21
	Solar	730	1	0	2.27	95
	Renewable/Others (Total)	4043	59	222	9.28	387
	<b>Total Rajasthan</b>	<b>13469</b>	<b>4672</b>	<b>5672</b>	<b>129.39</b>	<b>5391</b>
	UP	Anpara TPS (3*210+2*500)	1630	1360	1374	32.60
Obra TPS (2*50+2*94+5*200)		1194	287	363	9.40	392
Paricha TPS (2*110+2*220+2*250)		1160	964	957	23.60	983
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	444	443	10.70	446
Tanda TPS (NTPC) (4*110)		440	380	380	9.24	385
Roza TPS (IPP) (4*300)		1200	563	555	13.00	542
Anpara-C (IPP) (2*600)		1200	1080	1080	25.90	1079
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.00	0
Anpara-D(2*500)		1000	221	208	6.00	250
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
<b>Thermal (Total)</b>		<b>12449</b>	<b>5299</b>	<b>5360</b>	<b>130</b>	<b>5435</b>
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.50	438
Alaknanda(4*82.5)		330	325	331	8.10	338
Other Hydro		527	161	183	3.00	125
Cogeneration		981	100	100	2.40	100
<b>Total UP</b>		<b>14727</b>	<b>6320</b>	<b>6409</b>	<b>154</b>	<b>6435</b>
Uttarakhand		Total Hydro	1398	839	742	19.55
	Total Gas	225	0	0	0.00	0
	<b>Total Uttarakhand</b>	<b>1623</b>	<b>839</b>	<b>742</b>	<b>20</b>	<b>815</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	143	143	3.54	147
	Pragati Gas Turbine (2x104+ 1x122)	330	265	261	6.46	269
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	0	2.15	90
	Badarpur TPS (NTPC) (3*95+2*210)	705	322	327	7.07	294
	<b>Thermal (Total)</b>	<b>2917</b>	<b>984</b>	<b>731</b>	<b>19.21</b>	<b>801</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>984</b>	<b>731</b>	<b>19.21</b>	<b>801</b>
HP	Baspa HPS (IPP) (3*100)	300	327	327	7.81	326
	Malana HPS (IPP) (2*43)	86	56	72	1.56	65
	Other Hydro	878	422	438	10.24	427
	<b>Total HP</b>	<b>1264</b>	<b>805</b>	<b>837</b>	<b>19.61</b>	<b>817</b>
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	585	585	14.04	585
	Other Hydro/IPP	560	184	176	4.28	178
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1500</b>	<b>769</b>	<b>761</b>	<b>18.32</b>	<b>763</b>
<b>Total State Control Area Generation</b>		<b>47619</b>	<b>21996</b>	<b>23039</b>	<b>534.59</b>	<b>22274</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>9066</b>	<b>9280</b>	<b>211.46</b>	<b>8811</b>
<b>Total Regional Availability(Gross)</b>		<b>72856</b>	<b>50863</b>	<b>50732</b>	<b>1163.82</b>	<b>48493</b>

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	10190	8576	207.15	8631
State Control Area Hydro		7106	4003	3942	95	3942
<b>Total Regional Hydro</b>		<b>19340</b>	<b>14193</b>	<b>12518</b>	<b>301.74</b>	<b>12573</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(HVDC B/B)	250	250	250	0	4.79	0.00	4.79
765 KV Gwalior-Agra (D/C)	2631	3033	3033	0	60.74	0.00	60.74
400 KV Zerda-Kankroli	-48	-109	0	298	0.00	3.44	-3.44
400 KV Zerda-Bhinmal	11	-76	24	254	0.00	2.33	-2.33
220 KV Auraiya-Malanpur	34	36	34	0	0.74	0.00	0.74
220 KV Badod-Kota/Morak	-4	9	35	-84	-0.19	0.00	-0.19
Mundra-Mohindergarh(HVDC Bipole)	2499	2498	2507	0.00	58.08	0.00	58.08
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1185	1192	1338	825	27.62	0.00	27.62
<b>Sub Total WR</b>	<b>6558</b>	<b>6833</b>			<b>151.78</b>	<b>5.77</b>	<b>146.01</b>
Pusauli Bypass/HVDC	200	200	200	0	4.13	0.00	4.13
400 KV MZP- GKP (D/C)	249	347	467	0	8.44	0.00	8.44
400 KV Patna-Balia(D/C) X 2	557	647	747	0	15.45	0.00	15.45
400 KV B'Sharif-Balia (D/C)	94	71	176	0	2.62	0.00	2.62
765 KV Gaya-Balia	324	228	324	0	3.33	0.00	3.33
765 KV Gaya-Varanasi (D/C)	357	276	438	0	7.41	0.00	7.41
220 KV Pusauli-Sahupuri	-140	-180	207	0	4.13	0.00	4.13
132 KV K'nasa-Sahupuri	0	-36	0	36	0.00	0.56	-0.56
132 KV Son Ngr-Rihand	-8	-26	0	33	0.00	0.42	-0.42
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-159	-128	0	181	0.00	2.51	-2.51
400 KV Barh -GKP (D/C)	534	548	562	0	11.94	0.00	11.94
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
<b>Sub Total ER</b>	<b>2008</b>	<b>1947</b>			<b>57.46</b>	<b>3.48</b>	<b>53.98</b>
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0.00	11.48	0.00	11.48
<b>Sub Total NER</b>	<b>500</b>	<b>500</b>			<b>11.48</b>	<b>0.00</b>	<b>11.48</b>
<b>Total IR Exch</b>	<b>9066</b>	<b>9280</b>			<b>220.71</b>	<b>9.25</b>	<b>211.46</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
41.40	2.79	44.19	8.01	24.45	15.33	3.35	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
67.52	138.42	205.95	65.46	146.01	211.46	-2.07	7.58	5.51

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 - Mahendarnagar	-30	-23	0	31	0	1	-0.61

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	0.96	7.55	52.11	74.81	14.44	3.25	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	HZ	Index	(Hz)	(Hz)		
50.16	6.02	49.71	19.39	49.99	0.042	50.19	49.90	25.19	

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	406	9:30	401	19:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	8:02	397	22:13	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	7:18	393	22:11	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	6:02	399	22:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	8:01	396	22:09	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	423	6:02	399	22:10	0.0	0.0	6.3	0.0	6.3
Bawana	400	416	7:18	398	22:07	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	6:01	397	22:10	0.0	0.0	0.0	0.0	0.0
Hissar	400	414	8:01	395	22:10	0.0	0.0	0.0	0.0	0.0
Moga	400	412	8:01	396	20:11	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	8:01	404	0:06	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	416	8:20	391	20:26	0.0	0.0	0.0	0.0	0.0
Wagoora	400	408	8:01	380	21:07	0.0	13.0	0.0	0.0	0.0
Amritsar	400	421	6:31	402	20:00	0.0	0.0	0.3	0.0	0.3
Kashipur	400	418	7:18	407	21:23	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	394	0:00	394	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	429	7:18	401	21:25	0.0	0.0	22.2	0.0	22.2

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	789	8:04	751	22:08	0.0	0.0	0.0	0.0	0.0
Balia	765	783	8:04	745	22:11	0.0	0.0	0.0	0.0	0.0
Moga	765	793	8:01	759	20:28	0.0	0.0	0.0	0.0	0.0
Agra	765	791	6:05	753	22:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	795	6:05	761	22:10	0.0	0.0	0.0	0.0	0.0
Unnao	765	770	8:02	737	22:10	0.0	13.7	0.0	0.0	0.0
Lucknow	765	792	8:01	752	22:10	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	8:01	768	22:09	0.0	0.0	6.3	0.0	6.3
Jhatikara	765	791	8:01	754	22:10	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Anta	765	790	18:33	760	23:47	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	18:33	746	16:13	0.0	0.0	0.0	0.0	0.0

Note : '0' in Max / Min Col -> Telemetry Outage

**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	479.61	454.47	488.44	680.71	1024.47	962.77
Pong	426.72	384.05	391.13	67.89	406.14	370.28	251.06	121.82
Tehri	829.79	740.04	750.90	55.83	746.50	34.10	356.19	225.00
Koteshwar	612.50	598.50	610.09	4.44	610.18	4.65	225.00	216.91
Chamera-I	760.00	748.75	751.95	0.00	0.00	0.00	279.79	277.15
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	503.73	6.92	523.03	9.44	194.06	326.10

\* 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	680	754	0	1045	620	0	23.29	19.72	43.01
Delhi	511	232	0	654	-187	0	14.81	1.02	15.83
Haryana	1165	299	0	1059	202	0	25.45	5.20	30.65
HP	-1131	-291	0	-879	-472	0	-23.07	-8.67	-31.74
J&K	-623	74	0	-572	208	0	-16.53	2.29	-14.23
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-414	507	0	-414	494	0	-9.93	11.91	1.98
UP	1270	0	0	1170	0	0	27.33	0.00	27.33
Uttarakhand	44	2	0	46	128	0	1.06	0.72	1.78
<b>Total</b>	<b>1503</b>	<b>1576</b>	<b>0</b>	<b>2110</b>	<b>993</b>	<b>0</b>	<b>42.77</b>	<b>32.19</b>	<b>74.96</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1425	680	1251	620	0	0
Delhi	745	511	604	-286	0	0
Haryana	1291	857	310	12	0	0
HP	-875	-1132	-277	-594	0	0
J&K	-572	-850	223	-166	0	0
CHD	44	0	0	0	0	0
Rajasthan	-414	-414	509	486	0	0
UP	1389	1005	0	0	0	0
Uttarakhand	46	42	130	1	0	0

**XI. System Reliability Indices(Violation of TTC and ATC):**

(i)%age of times N-1 Criteria was violated in the inter - regional corridors

WR	6.94%
ER	0.00%
Simultaneous	16.67%

(ii)%age of times ATC violated on the inter-regional corridors

WR	54.17%
ER	0.00%
Simultaneous	64.93%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
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**XII. System Constraints:**

**XIII. Grid Disturbance / Any Other Significant Event:**

0.00

**XIV. Weather Conditions For 26.06.2016 :**

**XV. Synchronisation of new generating units :**

**XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :**

0.00

**XVII. Tripping of lines in pooling stations :**

**XVIII. Complete generation loss in a generating station :**

Note: Data(regarding drawal,generation, shortage , inter-regional flows and reservoir levels)of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.