

**पॉवर सिस्टम ऑपरेशन कापरिशन लिमिटेड**  
(पॉवरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)  
**उत्तरी क्षेत्रीय भार प्रेषण केंद्र**  
CIN: U40105DL2009GOI188682  
Power Supply Position in Northern Region for 07.05.2016  
Date of Reporting : 08.05.2016



**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
43241	2794	46035	49.99	40292	529	40821	50.05	981.0	16.28

\* 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	75.29	8.11		83.40	64.85	66.29	1.44	149.70	0.00
Haryana	49.55	0.37		49.92	95.63	94.46	-1.16	144.38	0.00
Rajasthan	131.34	0.00	10.12	141.45	54.91	56.05	1.13	197.50	0.00
Delhi	14.04			14.04	75.09	75.54	0.44	89.58	0.02
UP	160.77	6.56		167.34	116.77	119.18	2.41	286.52	6.31
Uttarakhand		11.23		11.23	26.40	27.37	0.96	38.60	0.07
HP		12.69		12.69	12.56	12.52	-0.04	25.21	0.00
J & K		19.89	0.00	19.89	18.88	24.33	5.46	44.23	9.89
Chandigarh				0.00	5.42	5.29	0.27	5.29	0.00
<b>Total</b>	<b>430.99</b>	<b>58.85</b>	<b>10.12</b>	<b>499.96</b>	<b>470.52</b>	<b>481.03</b>	<b>10.92</b>	<b>980.98</b>	<b>16.28</b>

\* Shortage furnished by the respective consumer \$ 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	6597	0	120	-396	5710	0	160	-113	6597
Haryana	7042	0	17	484	6248	0	-8	534	7477
Rajasthan	8016	0	126	339	8193	0	250	296	9337
Delhi	4079	0	-3	96	3975	0	122	-78	4589
UP	12453	2255	-80	561	12053	250	-44	484	12872
Uttarakhand	1742	40	-91	538	1484	0	56	380	1771
HP	1080	0	78	-875	852	0	-2	-267	1177
J&K	1996	499	363	-356	1581	279	166	-497	2010
Chandigarh	236	0	-10	0	196	0	-3	20	255
<b>Total</b>	<b>43241</b>	<b>2794</b>	<b>520</b>	<b>392</b>	<b>40292</b>	<b>529</b>	<b>697</b>	<b>760</b>	<b>45020</b>

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

**III. Regional Entities :**

Station/Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW (Gross)	Off Peak MW	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU
<b>A. NTPC</b>								
Singrauli STPS (5*200+2*500)	2000	1400	1505	1551	33.87	1411	33.19	0.68
Rihand I STPS (2*500)	1000	780	806	869	18.01	750	17.97	0.04
Rihand II STPS (2*500)	1000	954	914	996	21.21	884	21.56	-0.35
Rihand III STPS (2*500)	1000	872	444	1003	19.43	810	20.15	-0.72
Dadri I STPS (4*210)	840	805	563	420	11.63	485	12.09	-0.46
Dadri II STPS (2*490)	980	970	888	679	16.68	695	17.49	-0.81
Unchahar I TPS (2*210)	420	350	327	350	7.05	294	7.29	-0.24
Unchahar II STPS (2*210)	420	336	327	153	6.28	261	6.54	-0.26
Unchahar III TPS (1*210)	210	200	158	165	3.46	144	3.71	-0.26
ISTPP (Jhajjar) (3*500)	1500	875	740	415	14.30	596	14.61	-0.30
Dadri GPS (4*130.19+2*154.51)	830	772	358	364	8.40	350	8.64	-0.25
Anta GPS (3*88.71+1*153.2)	419	387	0	0	0.00	0	0.00	0.00
Auraya GPS (4*111.19+2*109.30)	663	620	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	2	0	0	0.05	2	0.04	0.00
Singrauli Solar(15)	15	3	0	0	0.01	0	0.07	-0.06
KHEPI(4*200)	800	872	872	0	9.12	380	9.00	0.12
<b>Sub Total (A)</b>	<b>12112</b>	<b>10199</b>	<b>7902</b>	<b>6965</b>	<b>170</b>	<b>7063</b>	<b>172</b>	<b>-3</b>
<b>B. NPC</b>								
NAPS (2*220)	440	195	195	195	4.60	192	4.68	-0.08
RAPS- B (2*220)	440	370	414	422	8.88	370	6.50	2.38
RAPS- C (2*220)	440	415	439	446	9.46	394	9.96	-0.50
<b>Sub Total (B)</b>	<b>1320</b>	<b>980</b>	<b>1048</b>	<b>1063</b>	<b>22.95</b>	<b>956</b>	<b>21.14</b>	<b>1.81</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	535	538	0	7.14	298	7.00	0.14
Chamera II HPS (3*100)	300	300	304	100	5.23	218	5.13	0.10
Chamera III HPS (3*77)	231	231	234	0	3.51	146	3.44	0.07
Bairasul HPS(3*60)	180	179	184	61	2.44	102	2.38	0.06
Salal-HPS (6*115)	690	526	670	467	13.54	564	12.63	0.91
Tanakpur-HPS (3*31.4)	94	21	31	26	0.61	25	0.51	0.09
Uri-I HPS (4*120)	480	465	478	477	11.34	473	11.15	0.20
Uri-II HPS (4*60)	240	237	241	241	5.74	239	5.69	0.05
Dhauliganga-HPS (4*70)	280	280	286	72	1.78	74	1.67	0.11
Dulnasti-HPS (3*130)	390	387	402	401	9.56	398	9.29	0.27
Sewa-II HPS (3*40)	120	119	130	0	1.12	47	1.20	-0.08
Parbati 3 (4*130)	520	334	130	0	1.29	54	1.23	0.06
<b>Sub Total (C)</b>	<b>4065</b>	<b>3616</b>	<b>3628</b>	<b>1845</b>	<b>63</b>	<b>2637</b>	<b>61</b>	<b>2</b>
<b>D.SJVNL</b>								
NJPC (6*250)	1500	1605	1355	739	21.46	894	21.15	0.31
Rampur HEP (6*68.67)	412	442	445	214	6.19	258	5.90	0.29
<b>Sub Total (D)</b>	<b>1912</b>	<b>2047</b>	<b>1800</b>	<b>953</b>	<b>27.65</b>	<b>1152</b>	<b>27.05</b>	<b>0.60</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	512	508	0	2.08	87	2.00	0.08
Koteswar HPS (4*100)	400	43	65	0	1.05	44	1.04	0.01
<b>Sub Total (E)</b>	<b>1400</b>	<b>555</b>	<b>573</b>	<b>0</b>	<b>3.13</b>	<b>131</b>	<b>3.04</b>	<b>0.09</b>
<b>F. BBMB</b>								
Bhakra HPS (2*108+3*126+5*157)	1379	628	1155	374	15.35	640	15.07	0.28
Dehar HPS (6*165)	990	403	660	495	9.26	386	9.66	-0.40
Pong HPS (6*66)	396	152	255	51	3.62	151	3.65	-0.03
<b>Sub Total (F)</b>	<b>2765</b>	<b>1182</b>	<b>2070</b>	<b>920</b>	<b>28.24</b>	<b>1177</b>	<b>28.38</b>	<b>-0.14</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*1000)	192	0	67	73	1.51	63	1.39	0.11
KARCHAM WANGTOO HPS(IPP) (2*1000)	1000	0	760	700	11.80	492	11.70	0.10
Malana Stg-II HPS (2*50)	100	0	108	40	0.75	31	0.71	0.04
Shree Cement TPS (2*150)	300	0	294	288	6.87	286	6.91	-0.03
Budhil HPS(IPP) (2*35)	70	0	35	31	0.76	32	0.83	-0.07
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1264</b>	<b>1132</b>	<b>21.69</b>	<b>904</b>	<b>21.54</b>	<b>0.15</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>18579</b>	<b>18285</b>	<b>12878</b>	<b>336.45</b>	<b>14019</b>	<b>334.87</b>	<b>1.58</b>

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)	
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	420	320	8.34	348	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	100	2.40	100	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	462	369	9.57	399	
	Goindwal(GVK) (2*270)	540	0	0	0.00	0	
	Rajpura (2*700)	1400	1320	1320	31.44	1310	
	Talwandi Saboo (3*660)	1980	1100	878	23.54	981	
	<b>Thermal (Total)</b>	<b>6560</b>	<b>3422</b>	<b>2987</b>	<b>75.29</b>	<b>3137</b>	
	Total Hydro	1000	334	265	8.11	338	
	<b>Total Punjab</b>	<b>7560</b>	<b>3756</b>	<b>3252</b>	<b>83.40</b>	<b>3475</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	761	768	18.30	762
DCRTPP (Yamuna nagar) (2*300)		600	272	232	5.85	244	
Faridabad GPS (NTPC)(2*137.75+1*1156)		432	184	162	4.15	173	
RGTPP (kheadar) (IPP) (2*600)		1200	788	782	19.68	820	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	380	1.58	66	
<b>Thermal (Total)</b>		<b>4944</b>	<b>2005</b>	<b>2324</b>	<b>49.55</b>	<b>2064</b>	
Total Hydro		62	10	12	0.37	15	
<b>Total Haryana</b>		<b>5006</b>	<b>2015</b>	<b>2336</b>	<b>49.92</b>	<b>2080</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	814	830	19.35	806
	suratgarh TPS (6*250)	1500	1016	965	23.14	964	
	Chabra TPS (4*250)	1000	580	781	17.94	747	
	Dholpur GPS (3*110)	330	131	87	2.14	89	
	Rangarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	153	162	3.88	162	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingar (NLC) (2*125)	250	80	82	1.85	77	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	672	567	14.43	601	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	815	860	21.68	903	
	Kawal(Adani) (2*660)	1320	1010	1061	26.93	1122	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5271</b>	<b>5395</b>	<b>131</b>	<b>5472</b>	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	97	397	6.58	274	
	Biomass	99	25	25	0.61	25	
	Solar	730	0	0	2.93	122	
	Renewable/Others (Total)	4043	122	422	10.12	421	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5393</b>	<b>5817</b>	<b>141.45</b>	<b>5894</b>	
	UP	Anpara TPS (3*210+2*500)	1630	767	1401	30.30	1263
Obra TPS (2*50+2*94+5*200)		1194	464	406	9.76	407	
Paricha TPS (2*110+2*220+2*250)		1160	923	963	22.00	917	
Panki TPS (2*105)		210	68	72	1.60	67	
Harduaganj TPS (1*60+1*105+2*250)		665	529	550	12.57	524	
Tanda TPS (NTPC) (4*110)		440	390	395	9.35	390	
Roza TPS (IPP) (4*300)		1200	1089	1080	23.90	996	
Anpara-C (IPP) (2*600)		1200	1080	1080	25.90	1079	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	288	259	5.90	246	
Anpara-D(2*500)		1000	444	444	4.29	179	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	493	550	12.80	533	
<b>Thermal (Total)</b>		<b>12449</b>	<b>6535</b>	<b>7200</b>	<b>158</b>	<b>6599</b>	
Vishnuparyag HPS (IPP)(4*110)		440	247	187	4.60	192	
Alaknanda(4*82.5)		330	89	84	1.60	67	
Other Hydro		527	24	2	0.36	15	
Cogeneration		981	100	100	2.40	100	
<b>Total UP</b>		<b>14727</b>	<b>6995</b>	<b>7573</b>	<b>167</b>	<b>6972</b>	
Uttarakhand		Total Hydro	1398	593	433	11.23	468
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>593</b>	<b>433</b>	<b>11.23</b>	<b>468</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	71	73	1.78	74	
	Pragati Gas Turbine (2x104+ 1x122)	330	148	140	3.32	138	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	253	6.07	253	
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	328	2.87	119	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>799</b>	<b>794</b>	<b>14.04</b>	<b>585</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>799</b>	<b>794</b>	<b>14.04</b>	<b>585</b>	
HP	Baspa HPS (IPP) (3*100)	300	59	98	4.13	172	
	Malana HPS (IPP) (2*43)	86	41	45	0.74	31	
	Other Hydro	878	291	320	7.82	326	
	<b>Total HP</b>	<b>1264</b>	<b>391</b>	<b>463</b>	<b>12.69</b>	<b>529</b>	
J & K	Baglihar HPS (IPP) (3*150+2*1150)	750	735	735	17.64	735	
	Other Hydro/IPP	560	118	82	2.25	94	
	Gas/Diesel/Other	190	0	0	0.00	0	
	<b>Total J &amp; K</b>	<b>1500</b>	<b>853</b>	<b>817</b>	<b>19.89</b>	<b>829</b>	
<b>Total State Control Area Generation</b>		<b>47841</b>	<b>20795</b>	<b>21484</b>	<b>499.96</b>	<b>20832</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6318.39</b>	<b>6927.34</b>	<b>161.85</b>	<b>6744</b>	
<b>Total Regional Availability(Gross)</b>		<b>73078</b>	<b>45399</b>	<b>41289</b>	<b>998.26</b>	<b>41594</b>	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9879	4531	145.49	6062
State Control Area Hydro	6881	2541	2263	59	2452
<b>Total Regional Hydro</b>	<b>19115</b>	<b>12420</b>	<b>6793</b>	<b>204.34</b>	<b>8514</b>

(VA). 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	MW	MW	Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	250	250	250	0	6.09	0.00	6.09	0.00	6.09
765 KV Gwalior-Agra (D/C)	2031	2350	2666	0	55.41	0.00	55.41	0.00	55.41
400 KV Zerda-Kankroli	100	156	0	194	0.00	3.07	-3.07	0.00	-3.07
400 KV Zerda-Bhinmal	-38	-76	67	165	0.00	0.93	-0.93	0.00	-0.93
220 KV Auraiya-Malanpur	-45	-3	0	110	0.00	0.64	-0.64	0.00	-0.64
220 KV Badod-Kota/Morak	-53	22	33	-53	0.48	0.00	0.48	0.00	0.48
Mundra-Mohindergarh(HVDC Bipole)	2202	2198	2206	0	53.20	0.00	53.20	0.00	53.20
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	305	334	334	23	4.30	0.00	4.30	0.00	4.30
<b>Sub Total WR</b>	<b>4752</b>	<b>5231</b>			<b>119.48</b>	<b>4.64</b>	<b>114.84</b>		

Pusaui Bypass/HVDC	400	400	400	0	9.05	0.00	9.05
400 KV MZP- GKP (D/C)	-17	59	202	-111	2.03	0.00	2.03
400 KV Patna-Balia(D/C) X 2	537	427	629	0	11.45	0.00	11.45
400 KV B'Sharif-Balia (D/C)	-27	-43	122	-69	0.58	0.00	0.58
765 KV Gaya-Balia	100	140	157	0	1.37	0.00	1.37
765 KV Gaya-Varanasi (D/C)	-84	-60	-90	56	6.28	0.00	6.28
220 KV Pusaui-Sahupuri	190	46	210	0	2.74	0.00	2.74
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	-24	0	30	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-191	-110	0	237	0.00	3.17	-3.17
400 KV Barh -GKP (D/C)	294	496	512	0	8.33	0.00	8.33
400 kvB'Sharif - Varanasi (D/C)	-122	-121	0	159	0.00	2.16	-2.16
<b>Sub Total ER</b>	<b>1080</b>	<b>1210</b>			<b>41.84</b>	<b>5.94</b>	<b>35.89</b>
+/- 800 KV BiswanathCharialli-Agra	486	486	486	0	11.12	0.00	11.12
<b>Sub Total NER</b>	<b>486</b>	<b>486</b>			<b>11.12</b>	<b>0.00</b>	<b>11.12</b>
<b>Total IR Exch</b>	<b>6318</b>	<b>6927</b>			<b>172.43</b>	<b>10.58</b>	<b>161.85</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
39.17	0.38	39.55	-3.02	1.16	-0.12	0.00	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
36.40	117.02	153.42	47.01	114.84	161.85	10.61	-2.18	8.42

**(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	-29	-29	0	34	0	1	-0.69

**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	2.73	39.47	73.38	19.84	4.10	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)		
50.18	8.03	49.82	12.46	50.01	0.031	0.055	0.00	0.00	26.62

**VII. Voltage profile 400 kv**

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	410	17:14	402	0:07	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	13:02	399	22:12	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400KV	400	403	0:00	403	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	17:05	398	22:17	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	6:19	402	22:32	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	426	6:19	402	22:32	0.0	0.0	52.4	0.0	52.4
Bawana	400	422	6:01	400	22:46	0.0	0.0	5.1	0.0	5.1
Bassi	400	423	18:02	393	22:47	0.0	0.0	3.8	0.0	3.8
Hissar	400	417	6:01	396	22:17	0.0	0.0	0.0	0.0	0.0
Moga	400	413	13:05	398	22:13	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	423	13:27	401	22:19	0.0	0.0	14.2	0.0	14.2
Nalagarh	400	426	4:27	409	22:12	0.0	0.0	49.7	0.0	49.7
Kishenpur	400	412	4:20	399	20:35	0.0	0.0	0.0	0.0	0.0
Wagoora	400	407	4:02	387	20:37	0.0	6.2	0.0	0.0	0.0
Amritsar	400	418	4:05	404	23:05	0.0	0.0	0.0	0.0	0.0
Kashipur	400	420	17:03	410	22:09	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	416	4:30	403	21:30	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	15:11	384	22:21	0.0	16.8	0.0	0.0	0.0

**VIII. Voltage profile 765 kv**

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	778	13:01	728	22:18	0.0	15.0	0.0	0.0	0.0
Balia	765	781	17:15	742	23:15	0.0	0.0	0.0	0.0	0.0
Moga	765	795	13:02	755	22:46	0.0	0.0	0.0	0.0	0.0
Agra	765	792	13:01	741	22:47	0.0	0.1	0.0	0.0	0.0
Bhiwani	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	776	17:09	730	23:08	0.0	12.8	0.0	0.0	0.0
Lucknow	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	13:02	753	22:49	0.0	0.0	5.8	0.0	5.8
Jhatikara	765	798	6:01	752	22:31	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kv	765	786	17:08	745	23:08	0.0	0.0	0.0	0.0	0.0
Anta	765	784	14:49	761	22:40	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	18:32	750	22:31	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	474.32	340.29	485.13	593.99	144.13	538.84
Pong	426.72	384.05	393.53	102.14	405.43	352.07	80.08	293.36
Tehri	829.79	740.04	741.15	5.00	759.10	113.04	84.57	80.00
Koteshwar	612.50	598.50	604.84	2.25	611.35	5.46	80.00	69.35
Chamera-I	760.00	748.75	753.53	0.00	0.00	0.00	180.00	196.71
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	500.57	0.71	522.56	6.24	204.37	29.71

\* 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	-154	41	0	-557	162	0	-5.31	2.55	-2.76
Delhi	270	-348	0	270	-174	0	6.48	-5.95	0.53
Haryana	203	331	0	174	310	0	0.35	4.74	5.09
HP	-207	-59	0	-55	-820	0	-2.54	-6.88	-9.42
J&K	-417	-80	0	-341	-14	0	-9.16	-1.15	-10.31
CHD	0	20	0	0	0	0	0.36	0.10	0.46
Rajasthan	-77	373	0	-77	416	0	-1.84	8.01	6.16
UP	484	0	0	561	0	0	10.76	0.00	10.76
Uttarakhand	29	351	0	151	388	0	5.34	6.56	11.90
<b>Total</b>	<b>131</b>	<b>629</b>	<b>0</b>	<b>125</b>	<b>267</b>	<b>0</b>	<b>4.43</b>	<b>7.98</b>	<b>12.41</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-154	-57	172	-207	0	0
Delhi	270	270	31	-665	0	0
Haryana	252	-246	332	-156	0	0
HP	-55	-207	-59	-938	0	0
J&K	-341	-417	-14	-115	0	0
CHD	45	0	30	0	0	0
Rajasthan	-77	-77	418	-310	0	0
UP	657	344	0	0	0	0
Uttarakhand	442	29	397	91	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	0.00%
ER	0.00%
Simultaneous	99.31%

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

WR	0.00%
ER	0.00%
Simultaneous	100.00%

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

Rihand - Dadri	0.00%
----------------	-------

XII. System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 07.05.2016 :  
Normal

XV. Synchronisation of new generating units :

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

1.220 KV Saharanpur UP- Nanauta(UP) lilo made at Saharanpur(PG).220 kV Saharanpur(PG) -Nanauta(UP) first time charged at 18.30 Hrs and 220 kV Saharanpur(PG)- Saharanpur(UP) at 17.15 Hrs on 07.05.2016.

2.400/220 kV,250 MVA ICT-II at Nawada first time put on load at 19.36 Hrs/07.05.2016

0.00

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.