

**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 09.05.2016  
Date of Reporting : 10.05.2016



**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
43434	525	43959	50.08	42494	1073	43567	50.03	1031.9	13.45

\* Half hourly (over 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	66.51	12.44		78.95	79.66	80.18	0.52	159.13	0.00
Haryana	46.10	0.44		46.53	101.83	98.77	-3.06	145.30	0.00
Rajasthan	116.46	0.05	29.33	145.84	52.93	53.18	0.25	199.02	0.00
Delhi	18.23			18.23	83.59	83.23	-0.37	101.45	0.07
UP	161.10	8.70		169.80	148.45	143.73	-4.72	313.53	3.51
Uttarakhand		15.05		15.05	24.29	23.88	-0.42	38.93	0.12
HP		18.28		18.28	9.56	6.87	-2.70	25.14	0.00
J & K		19.89	0.00	19.89	20.88	23.74	2.85	43.63	9.75
Chandigarh				0.00	5.81	5.73	0.27	5.73	0.00
<b>Total</b>	<b>408.40</b>	<b>74.85</b>	<b>29.33</b>	<b>512.58</b>	<b>527.01</b>	<b>519.28</b>	<b>-7.37</b>	<b>1031.86</b>	<b>13.45</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	6212	0	-198	-196	6160	0	97	145	7208
Haryana	6945	0	-33	277	6291	0	-282	398	7382
Rajasthan	7593	0	-297	-156	8121	0	-190	-492	8906
Delhi	4349	0	-45	307	4269	0	143	103	4893
UP	13254	0	178	1068	13618	800	-488	2367	14095
Uttarakhand	1835	40	54	511	1425	0	-33	418	1835
HP	1052	0	61	-1468	860	0	-106	-900	1241
J&K	1938	485	213	-422	1545	273	94	-548	2012
Chandigarh	256	0	-13	0	205	0	7	0	292
<b>Total</b>	<b>43434</b>	<b>525</b>	<b>-80</b>	<b>-78</b>	<b>42494</b>	<b>1073</b>	<b>-758</b>	<b>1491</b>	<b>46324</b>

\* STOA figures are at sellers boundary & PX figures are at regional boundary.

\$ figures may not be at simultaneous hour.

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**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 Net MU
<b>A. NTPC</b>								
Singrauli STPS (5*200+2*500)	2000	1390	1473	1482	33.37	1391	32.59	0.78
Rihand I STPS (2*500)	1000	787	795	701	16.25	677	16.07	0.18
Rihand II STPS (2*500)	1000	963	928	783	19.66	819	19.94	-0.28
Rihand III STPS (2*500)	1000	963	923	812	20.46	853	20.77	-0.31
Dadri I STPS (4*210)	840	805	455	453	10.24	427	10.63	-0.39
Dadri II STPS (2*490)	980	970	687	692	16.17	674	17.03	-0.86
Unchahar I TPS (2*210)	420	350	283	273	6.28	262	6.55	-0.27
Unchahar II TPS (2*210)	420	400	304	271	6.39	266	6.73	-0.34
Unchahar III TPS (1*210)	210	200	158	130	3.11	129	3.36	-0.26
ISTPP (Jhajjar) (3*500)	1500	1425	907	891	21.25	885	21.46	-0.21
Dadri GPS (4*130,19+2*154.51)	830	778	355	335	8.23	343	8.53	-0.31
Anta GPS (3*88.71+1*153.2)	419	387	212	205	5.14	214	5.57	-0.43
Auraya GPS (4*111.19+2*109.30)	663	583	153	154	3.50	146	3.61	-0.11
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)	10	2	0	0	0.03	1	0.04	-0.01
Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
KHEPI(4*200)	800	872	869	409	13.75	573	13.50	0.25
<b>Sub Total (A)</b>	<b>12112</b>	<b>10878</b>	<b>8502</b>	<b>7591</b>	<b>184</b>	<b>7664</b>	<b>186</b>	<b>-3</b>
<b>B. NPC</b>								
NAPS (2*220)	440	398	195	195	4.60	192	9.55	-4.95
RAPS- B (2*220)	440	371	407	412	9.09	379	6.50	2.59
RAPS- C (2*220)	440	415	434	441	9.37	390	9.96	-0.59
<b>Sub Total (B)</b>	<b>1320</b>	<b>1184</b>	<b>1036</b>	<b>1048</b>	<b>23.06</b>	<b>961</b>	<b>26.01</b>	<b>-2.96</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	535	542	0	7.19	300	6.98	0.21
Chamera II HPS (3*100)	300	300	308	302	7.29	304	7.14	0.15
Chamera III HPS (3*77)	231	231	229	232	5.29	220	5.25	0.04
Bairasul HPS(3*60)	180	179	185	0	2.81	117	2.74	0.07
Salal-HPS (6*115)	690	629	669	593	15.82	659	15.01	0.81
Tanakpur-HPS (3*31.4)	94	32	31	32	0.85	35	0.76	0.09
Uri-I HPS (4*120)	480	475	475	475	11.40	475	11.40	0.00
Uri-II HPS (4*60)	240	237	241	240	5.74	239	5.69	0.05
Dhauliganga-HPS (4*70)	280	280	288	0	2.08	87	1.87	0.21
Dulnasti-HPS (3*130)	390	387	404	404	9.54	398	9.29	0.26
Sewa-II HPS (3*40)	120	119	126	0	1.45	60	1.40	0.05
Parbati 3 (4*130)	520	390	390	132	2.63	110	2.53	0.11
<b>Sub Total (C)</b>	<b>4065</b>	<b>3795</b>	<b>3887</b>	<b>2410</b>	<b>72</b>	<b>3004</b>	<b>70</b>	<b>2</b>
<b>D.SJVNL</b>								
NJPC (6*250)	1500	1605	1612	1520	35.70	1487	34.77	0.93
Rampur HEP (6*68.67)	412	385	373	371	9.01	375	8.85	0.16
<b>Sub Total (D)</b>	<b>1912</b>	<b>1990</b>	<b>1985</b>	<b>1891</b>	<b>44.70</b>	<b>1863</b>	<b>43.61</b>	<b>1.09</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	437	392	0	2.26	94	2.20	0.06
Koteswar HPS (4*100)	400	41	66	0	0.99	41	0.98	0.02
<b>Sub Total (E)</b>	<b>1400</b>	<b>478</b>	<b>458</b>	<b>0</b>	<b>3.25</b>	<b>136</b>	<b>3.18</b>	<b>0.08</b>
<b>F. BBMB</b>								
Bhakra HPS (2*108+3*126+5*157)	1379	633	1154	373	15.50	646	15.20	0.31
Dehar HPS (6*165)	990	623	660	600	14.79	616	14.94	-0.15
Pong HPS (6*66)	396	122	255	51	2.87	119	2.92	-0.05
<b>Sub Total (F)</b>	<b>2765</b>	<b>1377</b>	<b>2069</b>	<b>1024</b>	<b>33.16</b>	<b>1382</b>	<b>33.05</b>	<b>0.11</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*100)	192	0	163	211	3.04	127	2.79	0.25
KARCHAM WANGTOO HPS(IPP) (2*100)	1000	0	761	1050	19.67	819	19.64	0.03
Malana Stq-II HPS (2*50)	100	0	111	45	1.13	47	1.07	0.06
Shree Cement TPS (2*150)	300	0	143	289	4.95	206	6.66	-1.71
Budhil HPS(IPP) (2*35)	70	0	39	39	0.92	38	0.84	0.08
<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1216</b>	<b>1634</b>	<b>29.70</b>	<b>1238</b>	<b>30.99</b>	<b>-1.28</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>19703</b>	<b>19153</b>	<b>15598</b>	<b>389.90</b>	<b>16246</b>	<b>393.38</b>	<b>-3.47</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	320	320	7.49	312	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.19	91	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	366	363	8.36	348	
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2	
	Rajpura (2*700)	1400	1320	1320	31.42	1309	
	Talwandi Saboo (3*660)	1980	614	616	17.10	712	
	<b>Thermal (Total)</b>	<b>6560</b>	<b>2720</b>	<b>2719</b>	<b>66.51</b>	<b>2771</b>	
	Total Hydro	1000	498	525	12.44	518	
	<b>Total Punjab</b>	<b>7560</b>	<b>3218</b>	<b>3244</b>	<b>78.95</b>	<b>3290</b>	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	733	755	17.50	729
DCRTPP (Yamuna nagar) (2*300)		600	231	266	5.77	240	
Faridabad GPS (NTPC)(2*137.75+1*1156)		432	163	175	4.07	170	
RGTPP (kheadar) (IPP) (2*600)		1200	741	771	18.76	782	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
<b>Thermal (Total)</b>		<b>4944</b>	<b>1868</b>	<b>1967</b>	<b>46.10</b>	<b>1921</b>	
Total Hydro		62	5	24	0.44	18	
<b>Total Haryana</b>		<b>5006</b>	<b>1873</b>	<b>1991</b>	<b>46.53</b>	<b>1939</b>	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	668	665	15.73	655
	suratgarh TPS (6*250)	1500	784	957	22.01	917	
	Chabra TPS (4*250)	1000	704	585	16.09	670	
	Dholpur GPS (3*110)	330	96	103	2.46	102	
	Rangarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	154	155	3.79	158	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingar (NLC) (2*125)	250	81	79	1.83	76	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwast LTPS (IPP) (8*135)	1080	350	420	10.40	433	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalsindh Thermal(2*600)	1200	811	814	19.64	818	
	Kawal(Adani) (2*660)	1320	1102	1185	24.52	1022	
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4750</b>	<b>4963</b>	<b>116</b>	<b>4853</b>	
	Total Hydro	550	0	0	0.05	2	
	Wind power	3214	557	1424	25.16	1048	
	Biomass	99	30	30	0.71	30	
	Solar	730	0	0	3.45	144	
	Renewable/Others (Total)	4043	587	1454	29.33	1222	
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5337</b>	<b>6417</b>	<b>145.84</b>	<b>6077</b>	
	UP	Anpara TPS (3*210+2*500)	1630	1388	1388	33.20	1383
Obra TPS (2*50+2*94+5*200)		1194	457	464	10.90	454	
Paricha TPS (2*110+2*220+2*250)		1160	757	902	22.00	917	
Panki TPS (2*105)		210	102	131	3.10	129	
Harduaganj TPS (1*60+1*105+2*250)		665	292	311	6.70	279	
Tanda TPS (NTPC) (4*110)		440	390	390	9.24	385	
Roza TPS (IPP) (4*300)		1200	738	1107	23.20	967	
Anpara-C (IPP) (2*600)		1200	1080	1049	25.80	1075	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	283	283	7.10	296	
Anpara-D(2*500)		1000	0	0	0.00	0	
Lalitpur TPS(3*660)		1980	356	357	8.96	374	
Bara(2*660)		1320	355	315	8.50	354	
<b>Thermal (Total)</b>		<b>12449</b>	<b>6198</b>	<b>6697</b>	<b>159</b>	<b>6613</b>	
Vishnuparyag HPS (IPP)(4*110)		440	380	241	6.20	258	
Alakanada(4*82.5)		330	157	75	1.70	71	
Other Hydro		527	70	2	0.80	33	
Cogeneration		981	100	100	2.40	100	
<b>Total UP</b>		<b>14727</b>	<b>6905</b>	<b>7115</b>	<b>170</b>	<b>7075</b>	
Uttarakhand		Total Hydro	1398	618	510	15.05	627
		<b>Total Uttarakhand</b>	<b>1398</b>	<b>618</b>	<b>510</b>	<b>15.05</b>	<b>627</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.04	-2	
	Delhi Gas Turbine (6x30 + 3x34)	282	73	74	1.80	75	
	Pragati Gas Turbine (2x104+ 1x122)	330	145	148	3.52	147	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	253	255	6.10	254	
	Badarpur TPS (NTPC) (3*95+2*210)	705	326	323	6.85	286	
	<b>Thermal (Total)</b>	<b>2917</b>	<b>797</b>	<b>800</b>	<b>18.23</b>	<b>760</b>	
	<b>Total Delhi</b>	<b>2917</b>	<b>797</b>	<b>800</b>	<b>18.23</b>	<b>760</b>	
HP	Baspa HPS (IPP) (3*100)	300	332	332	7.33	305	
	Malana HPS (IPP) (2*43)	86	48	78	0.99	41	
	Other Hydro	878	439	423	9.96	415	
	<b>Total HP</b>	<b>1264</b>	<b>819</b>	<b>833</b>	<b>18.28</b>	<b>762</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/Others	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>20420</b>	<b>21727</b>	<b>512.58</b>	<b>21357</b>	
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6220</b>	<b>6120</b>	<b>136.30</b>	<b>5679</b>	
<b>Total Regional Availability(Gross)</b>		<b>73078</b>	<b>45793</b>	<b>43445</b>	<b>1038.78</b>	<b>43282</b>	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10303	7040	190.80	7950
State Control Area Hydro	6881	3400	3027	75	3119
<b>Total Regional Hydro</b>	<b>19115</b>	<b>13703</b>	<b>10067</b>	<b>265.65</b>	<b>11069</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)	50	50	50	0	0	0	1.24	0.00	1.24
765 KV Gwalior-Agra (D/C)	2750	2595	2902	0	0	0	56.54	0.00	56.54
400 KV Zerda-Kankroli	-106	-258	0	362	0	0	0.00	5.70	-5.70
400 KV Zerda-Bhinmal	-49	-212	0	321	0	0	0.00	4.06	-4.06
220 KV Auraiya-Malanpur	-21	-32	0	50	0	0	0.00	0.36	-0.36
220 KV Badod-Kota/Morak	36	10	77	50	0	0	0.16	0.00	0.16
Mundra-Mohindergarh(HVDC Bipole)	2297	2297	2314	0	0	0	55.60	0.00	55.60
400 KV Vindhyachal - Rihand	0	0	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	126	91	352	0	0	0	5.29	0.00	5.29
<b>Sub Total WR</b>	<b>5083</b>	<b>4541</b>					<b>118.83</b>	<b>10.11</b>	<b>108.71</b>

Pusaui Bypass/HVDC	400	400	400	0	9.06	0.00	9.06
400 KV MZP- GKP (D/C)	-61	-18	130	120	0.03	0.00	0.03
400 KV Patna-Balia(D/C) X 2	199	420	565	0	8.61	0.00	8.61
400 KV B'Sharif-Balia (D/C)	-44	-26	76	75	0.00	0.26	-0.26
765 KV Gaya-Balia	210	132	333	0	2.29	0.00	2.29
765 KV Gaya-Varanasi (D/C)	98	-17	17	148	0.00	0.66	-0.66
220 KV Pusaui-Sahupuri	152	190	191	0	4.00	0.00	4.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-25	0	34	0.00	0.63	-0.63
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-280	-330	0	338	0.00	6.13	-6.13
400 KV Barh -GKP (D/C)	215	474	474	0	7.17	0.00	7.17
400 kvB'Sharif - Varanasi (D/C)	-122	-121	0	246	0.00	4.96	-4.96
<b>Sub Total ER</b>	<b>737</b>	<b>1079</b>			<b>31.16</b>	<b>12.64</b>	<b>18.53</b>
+/- 800 KV BiswanathCharialli-Agra	400	500	500	0	9.06	0.00	9.06
<b>Sub Total NER</b>	<b>400</b>	<b>500</b>			<b>9.06</b>	<b>0.00</b>	<b>9.06</b>
<b>Total IR Exch</b>	<b>6220</b>	<b>6120</b>			<b>159.04</b>	<b>22.75</b>	<b>136.30</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
36.20	0.38	36.58	-1.04	1.90	0.00	-0.04	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
35.54	119.56	155.10	27.58	108.71	136.30	-7.96	-10.84	-18.80

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	-31	-26	0	31	0	1	-0.68

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	0.66	4.75	48.23	81.18	12.14	2.05	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)		
50.17	6.02	49.73	22.10	50.00	0.033	0.057	50.14	49.91	18.82

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	485.51	602.35	605.13	550.54
Pong	426.72	384.05	393.18	97.37	405.44	352.07	38.79	235.68
Tehri	829.79	740.04	741.40	6.54	758.35	128.22	125.18	88.00
Koteshwar	612.50	598.50	605.04	2.36	610.90	5.02	88.00	65.60
Chamera-I	760.00	748.75	754.41	0.00	0.00	0.00	244.54	198.80
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	500.60	3.20	522.80	4.61	159.00	145.90

\* 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	-28	173	0	-433	236	0	-2.30	4.87	2.58
Delhi	318	-215	0	318	-10	0	7.77	-2.33	5.44
Haryana	227	171	0	-22	299	0	0.74	3.49	4.23
HP	-382	-517	0	-357	-1111	0	-7.07	-13.17	-20.24
J&K	-469	-80	0	-393	-29	0	-10.60	-0.95	-11.55
CHD	0	0	0	0	0	0	0.35	0.07	0.43
Rajasthan	-510	17	0	-382	227	0	-9.94	8.69	-1.25
UP	1394	974	0	822	246	0	24.63	5.84	30.47
Uttarakhand	29	389	0	29	482	0	2.58	7.35	9.93
<b>Total</b>	<b>579</b>	<b>912</b>	<b>0</b>	<b>-418</b>	<b>340</b>	<b>0</b>	<b>6.17</b>	<b>13.86</b>	<b>20.04</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-28	-433	249	71	0	0
Delhi	367	268	163	-471	0	0
Haryana	252	-446	329	-323	0	0
HP	-229	-382	-101	-1137	0	0
J&K	-342	-489	0	-80	0	0
CHD	44	0	39	0	0	0
Rajasthan	-382	-510	534	-285	0	0
UP	1403	789	974	0	0	0
Uttarakhand	437	29	489	2	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	0.00%

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

WR	0.00%
ER	0.00%
Simultaneous	0.00%

(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:

XIV. Weather Conditions For 09.05.2016 :  
Normal

XV. Synchronisation of new generating units :

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

0.00  
0.00  
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.