

# पॉवर सप्लाय ऑपरेशन कार्पोरेशन लिमिटेड

(एनएनडीसी वी पूर्व स्वामित्व प्राप्त गवर्नरक कंपनी)

## उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.05.2016  
Date of Reporting : 02.05.2016



### 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
40216	612	40827	49.99	42181	279	42460	50.05	958.4	11.12

\* 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	63.93	7.24		71.17	60.84	60.38	-0.46	131.55	0.00
Haryana	49.56	0.29		49.85	88.59	86.83	-1.76	136.68	0.00
Rajasthan	126.40	0.00	17.87	144.27	47.32	49.00	1.68	193.27	0.00
Delhi	19.13			19.13	67.97	68.66	0.68	87.79	0.03
UP	176.41	5.07		181.48	124.66	123.67	-0.98	305.15	1.59
Uttarakhand		8.38		8.38	27.64	27.03	-0.61	35.41	0.04
HP		10.35		10.35	11.01	11.28	0.27	21.62	0.03
J & K		16.29	0.00	16.29	22.77	26.04	3.27	42.33	9.43
Chandigarh				0.00	4.56	4.61	0.27	4.61	0.00
<b>Total</b>	<b>435.43</b>	<b>47.62</b>	<b>17.87</b>	<b>500.91</b>	<b>455.36</b>	<b>457.50</b>	<b>2.36</b>	<b>958.41</b>	<b>11.12</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	5181	0	98	-413	5320	0	-84	-176	5814
Haryana	6267	0	-641	332	6303	0	130	427	7000
Rajasthan	7758	0	-265	161	8478	0	55	-300	8908
Delhi	3636	0	-166	-117	3972	0	157	-407	4524
UP	12801	105	87	804	13980	0	-242	1262	14295
Uttarakhand	1651	40	-6	521	1520	0	-33	765	1651
HP	839	0	-83	-903	848	0	-12	-264	1047
J&K	1866	467	265	-54	1581	279	46	-217	1888
Chandigarh	216	0	-10	0	178	0	21	0	236
<b>Total</b>	<b>40216</b>	<b>612</b>	<b>-722</b>	<b>330</b>	<b>42181</b>	<b>279</b>	<b>39</b>	<b>1091</b>	<b>43884</b>

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

# figures may not be at simultaneous hour.

Diversity is 1.03

### III. Regional Entities:

A. NTPC	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1400	1405	1517	33.32	1388	32.74	0.58
	Rihand I STPS (2*500)	1000	561	0	816	12.08	503	12.36	-0.29
	Rihand II STPS (2*500)	1000	948	781	890	19.59	816	20.21	-0.62
	Rihand III STPS (2*500)	1000	945	875	797	19.46	811	20.85	-1.39
	Dadri I STPS (4*210)	840	805	594	621	13.27	553	13.69	-0.42
	Dadri II STPS (2*490)	980	970	699	790	16.73	697	17.33	-0.59
	Unchahar I TPS (2*210)	420	340	303	354	6.94	289	6.97	-0.03
	Unchahar II TPS (2*210)	420	200	156	208	3.72	155	3.68	0.04
	Unchahar III TPS (1*210)	210	200	146	197	3.53	147	3.62	-0.09
	ISTPP (Jhajjar) (3*500)	1500	475	400	406	7.75	323	7.97	-0.22
	Dadri GPS (4*130, 19+2*154.51)	830	768	362	363	8.17	340	8.40	-0.23
	Anta GPS (3*88.71+1*153.2)	419	395	171	192	4.45	185	4.71	-0.27
	Auraiya GPS (4*111.19+2*109.30)	663	621	147	155	3.49	146	3.58	-0.08
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
	Singrauli Solar(15)	15	2	0	0	0.07	3	0.05	0.01
B. NPC	KHEP(4*200)	800	872	868	0	4.04	168	4.00	0.04
	<b>Sub Total (A)</b>	<b>12112</b>	<b>9505</b>	<b>6907</b>	<b>7306</b>	<b>157</b>	<b>6528</b>	<b>160</b>	<b>-4</b>
	NAPS (2*220)	440	386	413	428	9.05	377	9.26	-0.22
	RAPS- B (2*220)	440	372	410	417	8.88	370	6.50	2.38
	RAPS- C (2*220)	440	415	440	446	9.49	395	9.96	-0.47
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1173</b>	<b>1263</b>	<b>1291</b>	<b>27.42</b>	<b>1142</b>	<b>25.72</b>	<b>1.69</b>
C. NHPC	Chamera I HPS (3*180)	540	535	551	366	7.13	297	7.00	0.13
	Chamera II HPS (3*100)	300	300	304	100	5.44	227	5.28	0.16
	Chamera III HPS (3*77)	231	231	232	69	3.68	153	3.64	0.03
	Bairasuli HPS(3*60)	180	179	184	125	2.79	116	2.79	0.00
	Salal-HPS (6*115)	690	453	599	493	11.57	482	10.79	0.78
	Tanakpur-HPS (3*31.4)	94	17	17	16	0.44	18	0.39	0.05
	Uri-I HPS (4*120)	480	474	472	474	11.47	478	11.39	0.08
	Uri-II HPS (4*80)	240	237	241	241	5.75	239	5.69	0.06
	Dhauliganga-HPS (4*70)	280	280	286	0	0.92	38	0.84	0.08
	Dulhasti-HPS (3*130)	390	387	407	401	9.33	389	9.03	0.30
	Sewa-II HPS (3*40)	120	119	24	0	0.42	17	0.50	-0.08
	Parbati 3 (4*130)	520	260	262	0	1.89	79	1.86	0.03
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3473</b>	<b>3579</b>	<b>2285</b>	<b>61</b>	<b>2534</b>	<b>59</b>	<b>2</b>
D.SJVNL	NJPC (6*250)	1500	1605	1510	391	12.62	526	12.43	0.19
	Rampur HEP (6*68.67)	412	305	371	114	2.90	121	2.91	-0.01
	<b>Sub Total (D)</b>	<b>1912</b>	<b>1910</b>	<b>1881</b>	<b>505</b>	<b>15.52</b>	<b>647</b>	<b>15.34</b>	<b>0.18</b>
E. THDC	Tahri HPS (4*250)	1000	512	265	0	1.51	63	1.50	0.01
	Koteshwar HPS (4*100)	400	49	97	0	1.12	47	1.18	-0.06
	<b>Sub Total (E)</b>	<b>1400</b>	<b>561</b>	<b>362</b>	<b>0</b>	<b>2.64</b>	<b>110</b>	<b>2.68</b>	<b>-0.04</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	597	1156	366	14.56	607	14.34	0.22
	Dehar HPS (6*165)	990	389	660	330	9.51	396	9.33	0.19
	Pong HPS (6*66)	396	103	156	53	2.34	98	2.48	-0.14
	<b>Sub Total (F)</b>	<b>2765</b>	<b>1089</b>	<b>1972</b>	<b>749</b>	<b>26.42</b>	<b>1101</b>	<b>26.15</b>	<b>0.27</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*1000)	192	0	115	78	1.92	80	1.45	0.47
	KARCHAM WANGTOO HPS(IPP) (2*1000)	1000	0	760	150	6.48	270	6.51	-0.03
	Malana Stg-II HPS (2*50)	100	0	111	35	0.86	36	0.80	0.06
	Shree Cement TPS (2*150)	300	0	289	289	6.92	288	6.99	-0.07
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.45	19	0.45	0.00
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1310</b>	<b>553</b>	<b>16.63</b>	<b>693</b>	<b>16.20</b>	<b>0.44</b>
<b>H. Total Regional Entities (A-G)</b>		<b>25237</b>	<b>17711</b>	<b>17275</b>	<b>12689</b>	<b>306.12</b>	<b>12755</b>	<b>305.53</b>	<b>0.59</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	160	160	3.35	140
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.22	92
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	368	366	8.17	340
	Goindwal(GVK) (2*270)	540	0	0	-0.07	-3
	Rajpura (2*700)	1400	1020	1320	30.91	1288
	Talwandi Saboo (3*660)	1980	616	1030	19.35	806
	<b>Thermal (Total)</b>	<b>6560</b>	<b>2264</b>	<b>2976</b>	<b>63.93</b>	<b>2664</b>
	Total Hydro	1000	286	370	7.24	302
	<b>Total Punjab</b>	<b>7560</b>	<b>2550</b>	<b>3346</b>	<b>71.17</b>	<b>2965</b>
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	774	584	15.59	649
	DCRTPP (Yamuna nagar) (2*300)	600	244	273	6.07	253
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	166	186	4.05	169
	RGTPP (kheadar) (IPP) (2*600)	1200	815	1149	23.28	970
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.57	24
	<b>Thermal (Total)</b>	<b>4944</b>	<b>1999</b>	<b>2192</b>	<b>49.56</b>	<b>2065</b>
	Total Hydro	62	5	19	0.29	12
	<b>Total Haryana</b>	<b>5006</b>	<b>2004</b>	<b>2211</b>	<b>49.85</b>	<b>2077</b>
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	868	876	21.05	877
	suratgarh TPS (6*250)	1500	964	960	22.72	947
	Chabra TPS (4*250)	1000	743	753	18.79	783
	Dholpur GPS (3*110)	330	109	109	2.64	110
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	123	118	3.02	126
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	411	534	13.79	575
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	806	812	19.56	815
	Kawal(Adani) (2*660)	1320	865	1119	24.83	1034
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4889</b>	<b>5281</b>	<b>126</b>	<b>5267</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	715	1302	17.23	718
	Biomass	99	19	19	0.46	19
	Solar	730	1	0	0.18	8
	Renewable/Others (Total)	4043	735	1321	17.87	745
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5624</b>	<b>6602</b>	<b>144.27</b>	<b>6011</b>
UP	Anpara TPS (3*210+2*500)	1630	1376	1344	33.18	1382
	Obra TPS (2*50+2*94+5*200)	1194	608	611	14.11	588
	Paricha TPS (2*110+2*220+2*250)	1160	650	941	18.92	788
	Panki TPS (2*105)	210	131	140	3.18	132
	Harduaganj TPS (1*60+1*105+2*250)	665	328	540	10.99	458
	Tanda TPS (NTPC) (4*110)	440	270	390	8.07	336
	Roza TPS (IPP) (4*300)	1200	743	1107	20.89	870
	Anpara-C (IPP) (2*600)	1200	963	1076	21.96	915
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	405	7.56	315
	Anpara-D(2*500)	1000	616	536	12.57	524
	Lalitpur TPS(3*660)	1980	396	500	9.40	392
	Bara(2*660)	1320	328	497	10.79	450
	<b>Thermal (Total)</b>	<b>12449</b>	<b>6692</b>	<b>8087</b>	<b>172</b>	<b>7150</b>
	Vishnuparyag HPS (IPP)(4*110)	440	127	103	2.66	111
	Alaknanada(4*82.5)	330	83	0	1.18	49
	Other Hydro	527	24	176	1.22	51
	Cogeneration	981	200	200	4.80	200
	<b>Total UP</b>	<b>14727</b>	<b>7126</b>	<b>8566</b>	<b>181</b>	<b>7561</b>
Uttarakhand	Total Hydro	1398	439	268	8.38	349
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>439</b>	<b>268</b>	<b>8.38</b>	<b>349</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.83	35
	Pragati Gas Turbine (2x104+ 1x122)	330	275	279	5.57	232
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	271	6.12	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	317	326	6.61	275
	Thermal (Total)	2917	877	910	19.13	797
	<b>Total Delhi</b>	<b>2917</b>	<b>877</b>	<b>910</b>	<b>19.13</b>	<b>797</b>
HP	Baspa HPS (IPP) (3*100)	300	117	106	2.34	97
	Malana HPS (IPP) (2*43)	86	30	45	0.78	32
	Other Hydro	878	318	313	7.23	301
	<b>Total HP</b>	<b>1264</b>	<b>465</b>	<b>464</b>	<b>10.35</b>	<b>431</b>
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	585	585	14.04	585
	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>703</b>	<b>667</b>	<b>16.29</b>	<b>679</b>
<b>Total State Control Area Generation</b>		<b>47841</b>	<b>19788</b>	<b>23034</b>	<b>500.91</b>	<b>20871</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>5411</b>	<b>7503</b>	<b>161.67</b>	<b>6736</b>
<b>Total Regional Availability(Gross)</b>		<b>73078</b>	<b>42474</b>	<b>43225</b>	<b>968.70</b>	<b>40362</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	9648	3802	118.70	4946
State Control Area Hydro	6881	2132	2067	48	1984
<b>Total Regional Hydro</b>	<b>19115</b>	<b>11780</b>	<b>5869</b>	<b>166.31</b>	<b>6930</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	
Vindhyachal(HVDC B/B)	150	150	150	0	3.65	0.00	3.65
765 KV Gwalior-Agra (D/C)	2040	2941	3029	0	60.29	0.00	60.29
400 KV Zerd-Kankroli	-215	-199	0	302	0.00	4.90	-4.90
400 KV Zerd-Bhinmal	-144	-149	12	246	0.00	3.03	-3.03
220 KV Auraiya-Malanpur	-66	-7	0	70	0.00	0.41	-0.41
220 KV Badod-Kota/Morak	-71	3	17	76	0.00	0.54	-0.54
Mundra-Mohindergarh(HVDC Bipole)	2498	2498	2507	0	60.45	0.00	60.45
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	318	720	763	0	14.08	0.00	14.08
<b>Sub Total WR</b>	<b>4510</b>	<b>5957</b>			<b>138.46</b>	<b>8.88</b>	<b>129.58</b>

Pusaui Bypass/HVDC	400	400	400	0	8.96	0.00	8.96
400 KV MZP- GKP (D/C)	-152	-2	114	260	0.00	0.52	-0.52
400 KV Patna-Balia(D/C) X 2	239	351	511	0	9.23	0.00	9.23
400 KV B'Sharif-Balia (D/C)	-57	104	186	113	1.66	0.00	1.66
765 KV Gaya-Balia	88	199	258	0	2.22	0.00	2.22
765 KV Gaya-Varanasi (D/C)	-55	29	81	147	0.00	1.28	-1.28
220 KV Pusaui-Sahupuri	170	190	198	0	4.12	0.00	4.12
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-24	0	30	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-316	-292	0	351	0.00	6.71	-6.71
400 KV Barh -GKP (D/C)	364	340	420	0	8.19	0.00	8.19
400 kvB'Sharif - Varanasi (D/C)	-250	-249	0	306	0.00	4.82	-4.82
<b>Sub Total ER</b>	<b>401</b>	<b>1046</b>			<b>34.38</b>	<b>13.89</b>	<b>20.49</b>
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	11.61	0.00	11.61
<b>Sub Total NER</b>	<b>500</b>	<b>500</b>			<b>11.61</b>	<b>0.00</b>	<b>11.61</b>
<b>Total IR Exch</b>	<b>5411</b>	<b>7503</b>			<b>184.44</b>	<b>22.77</b>	<b>161.67</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
36.08	0.43	36.50	5.43	5.71	-0.51	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
41.42	124.86	166.29	32.09	129.58	161.67	-9.33	4.71	-4.62

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	-31	0	33	0	1	-0.71

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	2.80	34.36	65.57	21.98	9.17	0.58	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	
50.30	18.03	49.85	0.10	50.02	0.045	0.063	50.20	49.91	34.43

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	407	20:03	401	3:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	13:02	398	22:13	0.0	0.0	0.1	0.0	0.1
Bareilly(PG)400KV	400	416	13:03	392	22:14	0.0	0.0	0.0	0.0	0.0
Kanpur	400	414	13:01	396	0:06	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	4:02	400	22:15	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	422	4:02	401	22:16	0.0	0.0	9.3	0.0	9.3
Bawana	400	420	5:46	401	22:15	0.0	0.0	0.0	0.0	0.0
Bassi	400	420	18:15	392	0:04	0.0	0.0	0.0	0.0	0.0
Hissar	400	417	5:46	396	22:17	0.0	0.0	0.0	0.0	0.0
Moga	400	417	13:23	400	0:04	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	426	13:19	401	22:16	0.0	0.0	6.8	0.0	6.8
Nalagarh	400	428	13:20	407	19:39	0.0	0.0	22.1	0.0	22.1
Kishenpur	400	418	18:00	397	22:15	0.0	0.0	0.0	0.0	0.0
Wagoor	400	411	18:00	379	22:17	0.1	25.2	0.0	0.0	0.1
Amritsar	400	422	13:19	404	19:30	0.0	0.0	2.3	0.0	2.3
Kashipur	400	420	13:03	408	19:33	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	4:02	403	8:50	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	409	13:03	380	19:40	0.0	14.5	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	765	13:01	728	0:05	0.0	16.4	0.0	0.0	0.0
Balia	765	777	13:01	739	22:17	0.0	1.5	0.0	0.0	0.0
Moga	765	797	13:01	763	0:06	0.0	0.0	0.0	0.0	0.0
Agra	765	786	18:30	740	0:05	0.0	0.5	0.0	0.0	0.0
Bhiwani	765	795	13:02	759	0:05	0.0	0.0	0.0	0.0	0.0
Unnao	765	764	13:01	730	22:17	0.0	17.7	0.0	0.0	0.0
Lucknow	765	786	13:02	745	22:14	0.0	0.0	0.0	0.0	0.0
Meerut	765	803	13:01	760	0:07	0.0	0.0	1.5	0.0	1.5
Jhatikara	765	794	13:02	756	22:15	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	785	13:03	741	22:17	0.0	0.2	0.0	0.0	0.0
Anta	765	781	18:16	754	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	18:30	732	13:35	0.0	0.1	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	474.98	350.94	484.75	577.33	268.27	503.19
Pong	426.72	384.05	394.27	116.59	405.30	352.07	41.85	190.06
Tehri	829.79	740.04	741.15	5.36	761.80	135.59	66.99	59.00
Koteshwar	612.50	598.50	606.09	2.77	611.15	5.05	59.00	74.13
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	192.60	196.12
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1139.00	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	498.55	0.74	521.64	3.07	86.89	123.10

\* 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	-128	-48	0	-517	104	0	-4.42	0.45	-3.97
Delhi	144	-551	0	270	-387	0	5.93	-12.41	-6.48
Haryana	179	249	0	163	169	0	-0.96	4.10	3.14
HP	-231	-33	0	-231	-672	0	-3.52	-2.56	-6.08
J&K	-341	124	0	-341	287	0	-8.55	3.61	-4.94
CHD	0	0	0	0	0	0	0.36	0.00	0.36
Rajasthan	-179	-121	0	-179	340	0	-4.30	5.45	1.15
UP	1262	0	0	804	0	0	21.35	1.46	22.80
Uttarakhand	174	591	0	102	322	97	9.66	5.57	15.23
Total	880	211	0	72	162	97	15.55	5.68	21.22

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-110	-517	116	-249	0	0
Delhi	270	144	-117	-1016	0	0
Haryana	310	-345	253	-117	0	0
HP	-79	-231	63	-706	0	0
J&K	-341	-386	287	74	0	0
CHD	45	0	20	-15	0	0
Rajasthan	-179	-179	368	-493	0	0
UP	1356	547	683	0	0	0
Uttarakhand	729	102	628	2	97	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	23.61%

(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 01.05.2016 :**  
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.