

**पॉवर सिस्टम ऑपरेशन कापरेशन लिमिटेड**  
(राज्यद्वारा पूर्ण स्वामित्व प्राप्त सहायक कंपनी)  
**उत्तरी क्षेत्रीय भार प्रेषण केंद्र**  
CIN: U40105DL2009GO188682  
Power Supply Position in Northern Region for 14.05.2016  
Date of Reporting : 15.05.2016



**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
44511	2466	46976	50.08	43731	671	44402	50.03	1041.0	16.55

\* Half hourly (over 15 minutes block-one block each before and/or 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	54.94	10.29		65.22	78.92	80.57	1.65	145.79	0.00
Haryana	51.75	0.53		52.29	91.62	89.91	-1.71	142.20	0.00
Rajasthan	134.79	0.00	17.10	151.89	56.93	57.40	0.47	209.29	0.00
Delhi	18.33			18.33	88.91	88.60	-0.31	106.93	0.11
UP	160.07	15.39		175.47	144.97	145.24	0.27	320.70	4.48
Uttarakhand		15.70		15.70	23.31	22.77	-0.55	38.46	0.38
HP		16.72		16.72	8.72	9.35	0.62	26.07	0.05
J & K		18.16	0.00	18.16	23.10	27.96	4.87	46.12	11.53
Chandigarh				0.00	5.38	5.46	0.27	5.46	0.00
<b>Total</b>	<b>419.88</b>	<b>76.79</b>	<b>17.10</b>	<b>513.77</b>	<b>521.86</b>	<b>527.26</b>	<b>5.59</b>	<b>1041.03</b>	<b>16.55</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	6233	0	143	-115	5524	0	49	372	6606
Haryana	6981	0	-248	533	6105	0	-86	554	7495
Rajasthan	8235	0	-31	168	8959	0	85	170	9663
Delhi	4406	0	-38	469	4594	0	171	519	5226
UP	13306	1875	-26	1121	14261	250	-48	1602	14410
Uttarakhand	1877	40	144	332	1509	0	-97	354	1877
HP	1020	0	-8	-1188	901	0	30	-1108	1257
J&K	2202	551	247	-598	1684	421	197	-631	2262
Chandigarh	250	0	-3	0	194	0	-3	0	270
<b>Total</b>	<b>44511</b>	<b>2466</b>	<b>181</b>	<b>723</b>	<b>43731</b>	<b>671</b>	<b>298</b>	<b>1832</b>	<b>47801</b>

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

**III. Regional Entities**

Region	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 (6*200+2*500)	2000	1397	1559	1518	32.85	1369	31.69	1.16
	Rihand I STPS (2*500)	1000	789	829	700	17.35	723	17.25	0.11
	Rihand II STPS (2*500)	1000	963	1028	942	22.49	937	22.16	0.33
	Rihand III STPS (2*500)	1000	963	1028	965	22.54	939	22.63	-0.09
	Dadri I STPS (4*210)	840	805	422	498	10.19	425	11.87	-1.68
	Dadri II STPS (2*490)	980	970	743	736	15.94	664	17.59	-1.66
	Unchahar I TPS (2*210)	420	350	380	306	7.51	313	7.61	-0.10
	Unchahar II TPS (2*210)	420	267	200	326	5.36	224	5.37	0.00
	Unchahar III TPS (1*210)	210	200	211	148	3.89	162	3.97	-0.09
	ISTPP (Jhajjar) (3*500)	1500	1425	1112	919	23.31	971	23.80	-0.49
	Dadri GPS (4*130.19+2*154.51)	830	777	181	165	4.04	168	4.24	-0.20
	Anta GPS (3*88.71+1*153.2)	419	392	0	0	0.00	0	0.00	0.00
	Auraya GPS (4*111.19+2*109.30)	663	622	147	155	3.34	139	3.55	-0.21
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	<b>Sub Total (A)</b>	<b>12112</b>	<b>10798</b>	<b>8708</b>	<b>7378</b>	<b>181</b>	<b>7558</b>	<b>184</b>	<b>-2</b>
B. NPC	NAPS (2*220)	440	370	195	195	8.70	362	8.88	-0.18
	RAPS- B (2*220)	440	367	408	416	8.84	368	8.81	0.03
	RAPS- C (2*220)	440	410	438	438	9.39	391	9.84	-0.45
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1147</b>	<b>1041</b>	<b>1049</b>	<b>26.92</b>	<b>1122</b>	<b>27.53</b>	<b>-0.60</b>
C. NHPC	Chamera I HPS (3*180)	540	535	536	541	10.69	445	10.50	0.19
	Chamera II HPS (3*100)	300	300	311	203	6.73	280	6.68	0.05
	Chamera III HPS (3*77)	231	229	230	150	4.50	188	4.45	0.05
	Bairasuli HPS(3*60)	180	179	182	124	2.68	112	2.60	0.08
	Salal-HPS (6*115)	690	572	657	657	14.59	608	13.79	0.80
	Tanakpur-HPS (3*31.4)	94	34	53	35	0.97	41	0.79	0.18
	Uri-I HPS (4*120)	480	475	476	475	11.56	482	11.40	0.16
	Uri-II HPS (4*60)	240	237	241	240	5.74	239	5.69	0.04
	Dhauliganga-HPS (4*70)	280	280	285	146	3.60	150	3.41	0.19
	Dulhasti-HPS (3*130)	390	387	405	394	9.57	399	9.29	0.29
	Sewa-II HPS (3*40)	120	119	128	106	2.15	90	2.00	0.15
	Parbati 3 (4*130)	520	260	262	0	2.11	88	2.02	0.09
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3608</b>	<b>3766</b>	<b>3072</b>	<b>75</b>	<b>3121</b>	<b>73</b>	<b>2</b>
	D. SJVNL	NJPC (6*250)	1500	1605	1594	1617	37.31	1555	37.40
Rampur HEP (6*68.67)		412	442	447	448	10.47	436	10.37	0.10
<b>Sub Total (D)</b>		<b>1912</b>	<b>2047</b>	<b>2041</b>	<b>2065</b>	<b>47.78</b>	<b>1991</b>	<b>47.77</b>	<b>0.00</b>
E. THDC	Tehri HPS (4*250)	1000	256	259	253	3.54	148	3.50	0.04
	Koteswar HPS (4*100)	400	82	190	67	2.01	84	1.97	0.04
	<b>Sub Total (E)</b>	<b>1400</b>	<b>338</b>	<b>449</b>	<b>320</b>	<b>5.55</b>	<b>231</b>	<b>5.47</b>	<b>0.08</b>
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	607	1024	443	14.78	616	14.56	0.22
	Dehar HPS (6*165)	990	521	660	495	12.45	519	12.51	-0.07
	Pong HPS (6*66)	396	106	200	50	2.52	105	2.55	-0.03
	<b>Sub Total (F)</b>	<b>2765</b>	<b>1234</b>	<b>1884</b>	<b>988</b>	<b>29.75</b>	<b>1239</b>	<b>29.63</b>	<b>0.12</b>
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*192)	192	0	149	152	2.56	107	2.41	0.15
	KARCHAM WANGTOO HPS(IPP) (1000)	1000	0	800	1100	21.37	890	22.08	-0.71
	Malana Stg-II HPS (2*50)	100	0	111	51	1.00	42	0.94	0.06
	Shree Cement TPS (2*150)	300	0	287	6.74	281	6.82	-0.08	
	Budhil HPS(IPP) (2*35)	70	0	35	40	0.94	39	0.94	0.00
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1382</b>	<b>1629</b>	<b>32.60</b>	<b>1358</b>	<b>33.19</b>	<b>-0.59</b>
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>19172</b>	<b>19271</b>	<b>16501</b>	<b>398.90</b>	<b>16621</b>	<b>400.07</b>	<b>-1.17</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	831	700	17.23	718
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	100	2.48	104
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	941	950	20.63	859
	Goindwalia(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	660	530	14.60	608
	Talwandi Saboo (3*660)	1980	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>6560</b>	<b>2552</b>	<b>2280</b>	<b>54.94</b>	<b>2289</b>
	Total Hydro	1000	444	474	10.29	429
	<b>Total Punjab</b>	<b>7560</b>	<b>2996</b>	<b>2754</b>	<b>65.22</b>	<b>2718</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	386	405	9.46
DCRTPP (Yamuna nagar) (2*300)		600	0	0	0.00	0
Faridabad GPS (NTPC)(2*137.75+1*156)		432	183	160	3.95	164
RGTPP (kheadar) (IPP) (2*600)		1200	755	703	18.11	755
Maqum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	1086	740	20.23	843
<b>Thermal (Total)</b>		<b>4944</b>	<b>2410</b>	<b>2008</b>	<b>51.75</b>	<b>2156</b>
Total Hydro		62	25	23	0.53	22
<b>Total Haryana</b>		<b>5006</b>	<b>2435</b>	<b>2031</b>	<b>52.29</b>	<b>2179</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	784	775	19.02
	suratgarh TPS (6*250)	1500	966	962	23.69	987
	Chabra TPS (4*250)	1000	816	742	19.89	829
	Dholpur GPS (3*110)	330	94	93	2.57	107
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	194	204	4.87	203
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingar (NLC) (2*125)	250	80	81	1.84	77
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	550	500	14.50	604
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	818	811	21.80	908
	Kawai(Adani) (2*660)	1320	945	1003	26.60	1108
	<b>Thermal (Total)</b>	<b>8876</b>	<b>5247</b>	<b>5171</b>	<b>135</b>	<b>5616</b>
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	384	1344	16.31	679
	Biomass	99	18	18	0.43	18
	Solar	730	1	0	0.36	15
Renewable/Others (Total)	4043	403	1362	17.10	713	
<b>Total Rajasthan</b>	<b>13469</b>	<b>5650</b>	<b>6533</b>	<b>151.89</b>	<b>6329</b>	
UP	Anpara TPS (3*210+2*500)	1630	1375	1246	32.52	1355
	Obra TPS (2*50+2*94+5*200)	1194	419	411	10.19	425
	Paricha TPS (2*110+2*220+2*250)	1160	679	895	17.76	740
	Panki TPS (2*105)	210	131	131	3.10	129
	Harduaganj TPS (1*60+1*105+2*250)	665	545	549	12.68	528
	Tanda TPS (NTPC) (4*110)	440	390	386	8.90	371
	Roza TPS (IPP) (4*300)	1200	1062	1098	24.20	1008
	Anpara-C (IPP) (2*600)	1200	1080	1080	25.05	1044
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	403	8.29	345
	Anpara-D(2*500)	1000	246	460	6.21	259
	Lalitpur TPS(3*660)	1980	356	383	8.78	366
	Bara(2*660)	1320	0	0	0.00	0
	<b>Thermal (Total)</b>	<b>12449</b>	<b>6566</b>	<b>7042</b>	<b>158</b>	<b>6570</b>
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.18	424
	Alakananda(4*82.5)	330	30	84	2.24	93
	Other Hydro	527	62	233	2.98	124
	Cogeneration	981	100	100	2.40	100
<b>Total UP</b>	<b>14727</b>	<b>7193</b>	<b>7894</b>	<b>175</b>	<b>7311</b>	
Uttarakhand	Total Hydro	1398	670	599	15.70	654
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>670</b>	<b>599</b>	<b>15.70</b>	<b>654</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	72	74	1.80	75
	Praagati Gas Turbine (2x104+ 1x122)	330	302	272	6.87	286
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	252	6.15	256
	Badarpur TPS (NTPC) (3*95+2*210)	705	179	159	3.50	146
	<b>Thermal (Total)</b>	<b>2917</b>	<b>807</b>	<b>756</b>	<b>18.33</b>	<b>764</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>807</b>	<b>756</b>	<b>18.33</b>	<b>764</b>
HP	Baspa HPS (IPP) (3*100)	300	326	296	6.65	277
	Malana HPS (IPP) (2*43)	86	31	47	0.90	38
	Other Hydro	878	379	410	9.17	382
<b>Total HP</b>	<b>1264</b>	<b>736</b>	<b>753</b>	<b>16.72</b>	<b>697</b>	
J & K	Baqilhar HPS (IPP) (3*150+2*150)	750	740	445	14.50	604
	Other Hydro/IPP	560	159	142	3.66	153
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1500</b>	<b>899</b>	<b>587</b>	<b>18.16</b>	<b>757</b>
<b>Total State Control Area Generation</b>		<b>47841</b>	<b>21386</b>	<b>21907</b>	<b>513.77</b>	<b>21407</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>5367</b>	<b>5701</b>	<b>137.60</b>	<b>5734</b>
<b>Total Regional Availability(Gross)</b>		<b>73078</b>	<b>46023</b>	<b>44110</b>	<b>1050.27</b>	<b>43761</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	10068	7747	195.36	8140
State Control Area Hydro	6881	3301	3188	77	3199
<b>Total Regional Hydro</b>	<b>19115</b>	<b>13369</b>	<b>10935</b>	<b>272.14</b>	<b>11339</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	250	2.77	3.12	-0.36		
765 KV Gwalior-Agra (D/C)	2305	2354	2877	0	55.11	0.00	55.11		
400 KV Zerda-Kankroli	-177	-273	0	390	0.00	6.18	-6.18		
400 KV Zerda-Bhinmal	-121	-217	0	337	0.00	4.18	-4.18		
220 KV Auraiya-Malanpur	-46	-47	0	93	0.00	1.04	-1.04		
220 KV Badod-Kota/Morak	21	52	69	41	0.70	0.00	0.70		
Mundra-Mohindergarh(HVDC Bipole)	1498	2203	2207	0	44.65	0.00	44.65		
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kV Phagi-Gwalior (D/C)	588	676	756	0	13.06	0.00	13.06		
<b>Sub Total WR</b>	<b>4318</b>	<b>4498</b>			<b>116.28</b>	<b>14.53</b>	<b>101.75</b>		

Pusauli Bypass/HVDC	200	200	200	0	4.91	0.00	4.91
400 KV MZP- GKP (D/C)	72	162	282	62	3.80	0.00	3.80
400 KV Patna-Balia(D/C) X 2	513	543	673	0	13.20	0.00	13.20
400 KV B'Sharif-Balia (D/C)	-5	40	145	39	1.39	0.00	1.39
765 KV Gaya-Balia	91	113	150	0	1.30	0.00	1.30
765 KV Gaya-Varanasi (D/C)	-63	-61	178	5	1.72	0.00	1.72
220 KV Pusauli-Sahupuri	0	202	202	0	2.52	0.00	2.52
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-30	0	36	0.00	0.64	-0.64
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-111	-155	17	171	0.00	2.28	-2.28
400 KV Barh -GKP (D/C)	504	310	502	0	10.89	0.00	10.89
400 KV B'Sharif - Varanasi (D/C)	-122	-121	15	139	0.00	0.96	-0.96
<b>Sub Total ER</b>	<b>1049</b>	<b>1203</b>			<b>39.73</b>	<b>3.88</b>	<b>35.85</b>
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0	0.00	0.00	0.00
<b>Sub Total NER</b>	<b>0</b>	<b>0</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total IR Exch</b>	<b>5367</b>	<b>5701</b>			<b>156.01</b>	<b>18.41</b>	<b>137.60</b>

**VB. Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]**

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdlt (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
26.65	0.43	27.09	2.23	7.77	3.86	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
33.17	112.92	146.09	35.85	101.75	137.60	2.68	-11.17	-8.49

**VC. 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	33	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	1.72	10.84	55.06	75.64	12.13	1.99	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	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	8.02	49.73	19.20	49.98	0.048	0.067	50.16	49.90	24.36

**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	7:10	398	15:51	0.1	0.1	0.0	0.0	0.1
Gorakhpur	400	419	7:03	402	15:44	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	412	7:00	396	15:46	0.0	0.0	0.0	0.0	0.0
Dadri	400	417	6:04	395	23:08	7.1	7.1	0.0	0.0	7.1
Ballabgarh	400	420	5:59	398	14:41	0.0	0.0	0.0	0.0	0.0
Bawana	400	417	6:05	396	23:08	0.0	0.0	0.0	0.0	0.0
Bassi	400	417	4:02	394	23:10	0.0	0.0	0.0	0.0	0.0
Hissar	400	411	6:00	393	23:08	0.0	0.0	0.0	0.0	0.0
Moga	400	409	4:02	394	23:04	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	417	5:57	397	22:36	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	6:04	401	16:39	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	409	3:58	395	20:20	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	2:56	377	20:21	6.1	25.1	0.0	0.0	6.1
Amritsar	400	416	4:02	398	15:58	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	7:06	405	13:53	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	412	4:47	393	15:49	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	402	18:18	375	15:24	9.2	75.0	0.0	0.0	9.2

**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	770	7:02	727	12:37	0.1	23.2	0.0	0.0	0.1
Balia	765	789	7:03	756	15:47	0.0	0.0	0.0	0.0	0.0
Moga	765	779	4:03	748	23:10	0.0	0.0	0.0	0.0	0.0
Agra	765	782	6:04	746	16:39	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	787	5:58	755	23:10	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	8:03	738	15:44	0.0	10.3	0.0	0.0	0.0
Lucknow	765	785	7:06	749	15:49	0.0	0.0	0.0	0.0	0.0
Meerut	765	791	6:05	753	15:47	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	787	6:00	749	23:08	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	780	7:06	741	23:32	0.0	0.1	0.0	0.0	0.0
Arta	765	777	3:48	754	23:08	0.0	0.0	0.0	0.0	0.0
Phagi	765	782	4:01	748	23:21	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	475.52	361.66	486.32	627.57	635.40	545.47
Pong	426.72	384.05	392.77	93.10	405.37	352.07	54.28	209.35
Tehri	829.79	740.04	741.75	8.19	755.95	91.00	145.79	137.00
Koteshwar	612.50	598.50	605.13	2.65	611.05	4.95	137.00	132.26
Chamera-I	760.00	748.75	752.74	0.00	0.00	0.00	213.23	293.28
Rihand	268.22	252.98	841.90	141.20	840.50	123.70	0.00	0.00
RPS	352.80	343.81	1140.00	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	501.76	2.64	0.00	10.76	0.00	148.89

\* 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	31	340	0	-374	259	0	-0.87	8.98	8.11
Delhi	362	158	0	402	67	0	9.95	2.00	11.96
Haryana	227	327	0	227	306	0	5.71	7.52	13.23
HP	-571	-537	0	-290	-898	0	-8.90	-14.70	-23.60
J&K	-556	-76	0	-496	-101	0	-12.91	-1.74	-14.65
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-389	559	0	-389	557	0	-9.34	12.52	3.17
UP	1602	0	0	1121	0	0	29.35	0.00	29.35
Uttarakhand	81	272	0	81	250	0	1.96	5.17	7.13
<b>Total</b>	<b>787</b>	<b>1045</b>	<b>0</b>	<b>283</b>	<b>440</b>	<b>0</b>	<b>15.29</b>	<b>19.76</b>	<b>35.05</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	31	-374	601	257	0	0
Delhi	451	362	347	-168	0	0
Haryana	268	90	356	139	0	0
HP	-290	-622	-171	-1088	0	0
J&K	-480	-623	-15	-116	0	0
CHD	44	0	0	0	0	0
Rajasthan	-389	-389	559	46	0	0
UP	1602	1077	0	0	0	0
Uttarakhand	81	81	304	131	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 14.05.2016 :  
Normal

XV. Synchronisation of new generating units :

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

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.