

**पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड**

(एनएसईसी की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



**उत्तरी क्षेत्रीय भार प्रेषण केंद्र**

CIN: U40105DL2009GOI188692

Power Supply Position in Northern Region for 14.04.2016

Date of Reporting : 15.04.2016

**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
40667	2142	42809	50.01	36301	467	36768	49.90	870.0	36.21

\* 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:**

UI [OD:(+ve), UD: (-ve)]

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	46.99	6.75		53.74	52.40	50.21	-2.18	103.95	0.00
Haryana	31.16	0.27		31.43	83.63	83.99	0.37	115.42	0.00
Rajasthan	113.68	0.29	21.50	135.46	48.86	48.58	-0.28	184.04	0.00
Delhi	14.22			14.22	67.33	67.09	-0.24	81.31	0.04
UP	171.94	4.70		176.64	102.38	102.64	0.26	279.28	26.57
Uttarakhand		7.95		7.95	27.49	29.17	1.68	37.12	0.00
HP		7.74		7.74	14.67	16.33	1.67	24.07	0.00
J & K		10.60	0.00	10.60	27.21	30.15	2.94	40.75	9.60
Chandigarh				0.00	3.92	4.06	0.27	4.06	0.00
<b>Total</b>	<b>377.99</b>	<b>38.29</b>	<b>21.50</b>	<b>437.78</b>	<b>427.87</b>	<b>432.22</b>	<b>4.48</b>	<b>870.00</b>	<b>36.21</b>

\* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesel

**II. B. State's Demand Met in MWs:**

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

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	4989	0	13	-300	4111	0	78	-220	5159
Haryana	6455	0	-60	680	4582	0	14	61	6471
Rajasthan	7772	0	-166	269	7838	0	61	479	8353
Delhi	3745	0	-62	-265	3099	0	67	-513	3835
UP	12697	1640	-8	225	12835	200	188	1325	12984
Uttarakhand	1781	0	-32	676	1388	0	42	660	1781
HP	1016	0	11	-539	808	0	75	-103	1206
J&K	2007	502	168	110	1514	267	150	61	2007
Chandigarh	205	0	19	-10	126	0	3	0	205
<b>Total</b>	<b>40667</b>	<b>2142</b>	<b>-117</b>	<b>845</b>	<b>36301</b>	<b>467</b>	<b>678</b>	<b>1750</b>	<b>40667</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 :**

UI [OG:(+ve), UG: (-ve)]

Entity	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	915	1049	1053	22.68	945	21.39	1.29
Rihand I STPS (2*500)		1000	731	803	817	16.83	701	16.38	0.45	
Rihand II STPS (2*500)		1000	949	935	1053	22.42	934	21.75	0.67	
Rihand III STPS (2*500)		1000	947	894	1028	22.67	944	22.20	0.47	
Dadri I STPS (4*210)		840	815	564	568	13.76	573	14.23	-0.47	
Dadri II STPS (2*490)		980	485	382	352	8.93	372	9.53	-0.61	
Unchahar I TPS (2*210)		420	329	343	327	7.33	306	7.03	0.30	
Unchahar II TPS (2*210)		420	201	177	219	4.34	181	4.17	0.16	
Unchahar III TPS (1*210)		210	201	188	220	4.03	168	4.04	-0.01	
ISTPP (Jhajjhar) (3*500)		1500	950	886	605	15.91	663	16.26	-0.35	
Dadri GPS (4*130.19+2*154.51)		830	790	370	347	8.31	346	8.73	-0.42	
Anta GPS (3*88.71+1*153.2)		419	265	0	0	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)		663	621	145	151	3.42	142	3.44	-0.02	
Dadri Solar(5)		5	1	0	0	0.03	1	0.03	0.00	
Unchahar Solar(10)		10	2	0	0	0.04	2	0.04	0.00	
Singrauli Solar(15)		15	3	0	0	0.07	3	0.07	0.01	
KHEP(4*200)	800	872	700	0	2.76	115	2.70	0.06		
<b>Sub Total (A)</b>	<b>12112</b>	<b>9076</b>	<b>7436</b>	<b>6740</b>	<b>154</b>	<b>6396</b>	<b>152</b>	<b>2</b>		
<b>B. NPC</b>	NAPS (2*220)	440	400	435	440	9.57	399	9.60	-0.03	
	RAPS- B (2*220)	440	373	417	419	8.98	374	8.95	0.03	
	RAPS- C (2*220)	440	415	440	448	9.50	396	9.96	-0.46	
	<b>Sub Total (B)</b>	<b>1320</b>	<b>1188</b>	<b>1292</b>	<b>1307</b>	<b>28.05</b>	<b>1169</b>	<b>28.51</b>	<b>-0.46</b>	
<b>C. NHPC</b>	Chamera I HPS (3*180)	540	535	365	0	3.30	137	3.10	0.20	
	Chamera II HPS (3*100)	300	300	303	0	2.91	121	2.65	0.26	
	Chamera III HPS (3*77)	231	231	192	0	1.77	74	1.59	0.18	
	Bairasuil HPS(3*60)	180	179	184	0	2.59	108	2.51	0.09	
	Salal-HPS (6*115)	690	301	502	347	8.19	341	7.26	0.93	
	Tanakpur-HPS (3*31.4)	94	16	17	15	0.45	19	0.37	0.08	
	Uri-I HPS (4*120)	480	475	472	472	11.49	479	11.40	0.09	
	Uri-II HPS (4*60)	240	208	181	226	5.02	209	5.01	0.02	
	Dhauliganga-HPS (4*70)	280	280	288	0	1.17	49	1.01	0.16	
	Dulhasti-HPS (3*130)	390	387	400	0	4.72	197	4.50	0.22	
	Sewa-II HPS (3*40)	120	119	129	0	1.80	75	1.50	0.30	
	Parbati 3 (4*130)	520	260	0	0	0.77	32	0.77	0.00	
	<b>Sub Total (C)</b>	<b>4065</b>	<b>3292</b>	<b>3032</b>	<b>1060</b>	<b>44</b>	<b>1841</b>	<b>42</b>	<b>3</b>	
	<b>D. SJVNL</b>	NJPC (6*250)	1500	1605	1419	0	8.27	345	8.08	0.18
		Rampur HEP (6*68.67)	412	375	373	0	2.18	91	2.13	0.06
<b>Sub Total (D)</b>		<b>1912</b>	<b>1980</b>	<b>1792</b>	<b>0</b>	<b>10.45</b>	<b>435</b>	<b>10.21</b>	<b>0.24</b>	
<b>E. THDC</b>	Tehri HPS (4*250)	1000	405	405	0	4.40	183	4.40	0.00	
	Koteshwar HPS (4*100)	400	92	101	94	2.26	94	2.20	0.06	
	<b>Sub Total (E)</b>	<b>1400</b>	<b>497</b>	<b>506</b>	<b>94</b>	<b>6.66</b>	<b>278</b>	<b>6.60</b>	<b>0.06</b>	
<b>F. BBMB</b>	Bhakra HPS (2*108+3*126+5*157)	1379	427	659	367	10.43	435	10.24	0.19	
	Dehar HPS (6*165)	990	227	495	165	5.63	234	5.44	0.19	
	Pong HPS (6*66)	396	52	162	0	1.26	52	1.25	0.00	
	<b>Sub Total (F)</b>	<b>2765</b>	<b>706</b>	<b>1316</b>	<b>532</b>	<b>17.31</b>	<b>721</b>	<b>16.93</b>	<b>0.38</b>	
<b>G. IPP(s)/JV(s)</b>	ALLAIN DUHANGAN HPS(IPP) (2*100)	192	0	0	0	0.70	29	0.67	0.02	
	KARCHAM WANGTOO HPS(IPP)	1000	0	680	150	4.19	175	4.08	0.11	
	Malana Stg-II HPS (2*50)	100	0	0	0	0.36	15	0.36	0.01	
	Shree Cement TPS (2*150)	300	0	293	300	7.02	293	7.05	-0.03	
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.35	14	0.35	0.00	
	<b>Sub Total (G)</b>	<b>1662</b>	<b>0</b>	<b>1007</b>	<b>450</b>	<b>12.62</b>	<b>526</b>	<b>12.50</b>	<b>0.11</b>	
<b>H. Total Regional Entities (A-G)</b>	<b>25237</b>	<b>16738</b>	<b>16382</b>	<b>10183</b>	<b>272.79</b>	<b>11366</b>	<b>268.40</b>	<b>4.39</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	210	158	3.45	144
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.08	-3
	Goindwal(GVK) (2*270)	540	240	276	5.06	211
	Rajpura (2*700)	1400	1160	1120	21.90	913
	Talwandi Saboo (3*660)	1980	616	616	16.68	695
	<b>Thermal (Total)</b>	<b>6560</b>	<b>2226</b>	<b>2170</b>	<b>46.99</b>	<b>1958</b>
	Total Hydro	1000	294	316	6.75	281
	<b>Total Punjab</b>	<b>7560</b>	<b>2520</b>	<b>2486</b>	<b>53.74</b>	<b>2239</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	216	215	5.15
DCRTPP (Yamuna nagar) (2*300)		600	486	483	11.41	475
Faridabad GPS (NTPC)(2*137.75+1*156)		432	165	174	4.22	176
RGTPP (khedar) (IPP) (2*600)		1200	423	357	10.38	433
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>1290</b>	<b>1229</b>	<b>31.16</b>	<b>1298</b>
Total Hydro		62	9	22	0.27	11
<b>Total Haryana</b>		<b>5006</b>	<b>1299</b>	<b>1251</b>	<b>31.43</b>	<b>1310</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	879	867	21.25
	suratgarh TPS (6*250)	1500	195	196	4.61	192
	Chabra TPS (4*250)	1000	774	771	19.30	804
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	204	207	5.14	214
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	64	64	1.34	56
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwst LTPS (IPP) (8*135)	1080	691	561	15.37	641
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	830	814	20.44	852
	Kawai(Adani) (2*660)	1320	1189	948	26.23	1093
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4826</b>	<b>4428</b>	<b>114</b>	<b>4737</b>
	Total Hydro	550	22	19	0.29	12
	Wind power	3214	257	1385	20.67	861
	Biomass	99	24	24	0.57	24
	Solar	730	1	0	0.26	11
	Renewable/Others (Total)	4043	282	1409	21.50	896
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5130</b>	<b>5856</b>	<b>135.46</b>	<b>5644</b>
	UP	Anpara TPS (3*210+2*500)	1630	1229	1233	29.50
Obra TPS (2*50+2*94+5*200)		1194	310	296	7.30	304
Paricha TPS (2*110+2*220+2*250)		1160	913	945	21.50	896
Panki TPS (2*105)		210	0	0	0.00	0
Harduaganj TPS (1*60+1*105+2*250)		665	531	527	12.10	504
Tanda TPS (NTPC) (4*110)		440	380	390	9.24	385
Roza TPS (IPP) (4*300)		1200	1089	1094	24.30	1013
Anpara-C (IPP) (2*600)		1200	1080	1054	26.40	1100
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	405	8.40	350
Anpara-D(2*500)		1000	245	0	3.80	158
Lalitpur TPS(3*660)		1980	508	504	10.00	417
Bara(2*660)		1320	464	471	12.20	508
<b>Thermal (Total)</b>		<b>12449</b>	<b>7152</b>	<b>6919</b>	<b>165</b>	<b>6864</b>
Vishnuparyag HPS (IPP)(4*110)		440	86	83	2.00	83
Alakanada(4*82.5)		330	0	59	1.20	50
Other Hydro		527	36	156	1.50	63
Cogeneration		981	300	300	7.20	300
<b>Total UP</b>		<b>14727</b>	<b>7574</b>	<b>7517</b>	<b>177</b>	<b>7360</b>
Uttarakhand	Total Hydro	1398	423	282	7.95	331
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>423</b>	<b>282</b>	<b>7.95</b>	<b>331</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	29	31	0.84	35
	Pragati Gas Turbine (2x104+ 1x122)	330	262	264	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	-3	-3	-0.04	-2
	Badarpur TPS (NTPC) (3*95+2*210)	705	334	330	7.05	294
	<b>Thermal (Total)</b>	<b>2917</b>	<b>622</b>	<b>621</b>	<b>14.22</b>	<b>593</b>
	<b>Total Delhi</b>	<b>2917</b>	<b>622</b>	<b>621</b>	<b>14.22</b>	<b>593</b>
HP	Baspa HPS (IPP) (3*100)	300	0	53	1.21	50
	Malana HPS (IPP) (2*43)	86	46	0	0.45	19
	Other Hydro	878	253	230	6.08	253
	<b>Total HP</b>	<b>1264</b>	<b>299</b>	<b>283</b>	<b>7.74</b>	<b>322</b>
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	350	335	8.35	348
	Other Hydro/IPP	560	118	81	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	<b>Total J &amp; K</b>	<b>1500</b>	<b>468</b>	<b>416</b>	<b>10.60</b>	<b>442</b>
<b>Total State Control Area Generation</b>		<b>47841</b>	<b>18335</b>	<b>18712</b>	<b>437.78</b>	<b>18241</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6925</b>	<b>8791</b>	<b>177.05</b>	<b>7377</b>
<b>Total Regional Availability(Gross)</b>		<b>73078</b>	<b>41642</b>	<b>37686</b>	<b>887.62</b>	<b>36984</b>

#### IV. Total Hydro Generation:

Regional Entities Hydro	12234	8026	1836	86.62	3609
State Control Area Hydro	6881	1637	1636	38	1596
<b>Total Regional Hydro</b>	<b>19115</b>	<b>9663</b>	<b>3472</b>	<b>124.91</b>	<b>5205</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	Import	Export	
Vindhychal(HVDC B/B)	150	150	250	0	4.00	0.00	4.00	0.00	4.00
765 KV Gwalior-Agra (D/C)	2048	3012	3334	0	61.71	0.00	61.71	0.00	61.71
400 KV Zerda-Kankroli	-183	-225	0	322	0.00	5.81	0.00	5.81	-5.81
400 KV Zerda-Bhinmal	-132	-201	0	284	0.00	4.51	0.00	4.51	-4.51
220 KV Auraiya-Malanpur	-98	-30	0	110	0.00	1.11	0.00	1.11	-1.11
220 KV Badod-Kota/Morak	-43	-21	5	108	0.00	1.31	0.00	1.31	-1.31
Mundra-Mohinderghar(HVDC Bipole)	2498	2498	2508	0	60.01	0.00	60.01	0.00	60.01
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	641	966	1013	0	18.23	0.00	18.23	0.00	18.23
<b>Sub Total WR</b>	<b>4881</b>	<b>6149</b>			<b>143.95</b>	<b>12.73</b>	<b>143.95</b>	<b>12.73</b>	<b>131.22</b>

Pusauli Bypass/HVDC	0	200	200	0	1.59	0.00	1.59
400 KV MZP- GKP (D/C)	130	198	198	0	2.39	0.00	2.39
400 KV Patna-Balia(D/C) X 2	243	517	549	0	8.48	0.00	8.48
400 KV B'Sharif-Balia (D/C)	101	337	341	0	4.61	0.00	4.61
765 KV Gaya-Balia	246	425	425	0	3.76	0.00	3.76
765 KV Gaya-Varanasi -1	312	33	384	61	5.39	0.00	5.39
220 KV Pusauli-Sahupuri	211	205	211	0	3.92	0.00	3.92
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-29	-24	0	30	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-50	-205	45	205	0.00	1.62	-1.62
400 KV Barh -GKP (D/C)	380	456	456	0	8.50	0.00	8.50
400 kvB'Sharif - Varanasi (D/C)	0	0	0	152	0.00	2.45	-2.45
<b>Sub Total ER</b>	<b>1544</b>	<b>2142</b>			<b>38.64</b>	<b>4.61</b>	<b>34.03</b>
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	11.81	0.00	11.81
<b>Sub Total NER</b>	<b>500</b>	<b>500</b>			<b>11.81</b>	<b>0.00</b>	<b>11.81</b>
<b>Total IR Exch</b>	<b>6925</b>	<b>8791</b>			<b>194.40</b>	<b>17.34</b>	<b>177.05</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
35.67	0.40	36.07	3.28	0.02	2.81	18.92	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incls Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
42.16	135.16	177.32	45.84	131.22	177.05	3.67	-3.94	-0.27

**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	-31	0	33	0	1	-0.70

**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	0.13	2.58	21.20	69.33	66.09	9.66	3.09	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	(Hz)	(Hz)			
50.19	19.44	49.68	19.15	49.96	0.076	0.078	50.07	49.82	33.91

**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	404	07:18	398	00:30	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	17:03	403	02:08	0.0	0.0	5.4	0.0	5.4
Bareilly(PG)400kV	400	417	17:32	402	10:54	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	08:04	404	19:11	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	08:03	405	19:13	0.0	0.0	0.1	0.0	0.1
Ballabgarh	400	427	08:01	409	14:36	0.0	0.0	35.5	0.0	35.5
Bawana	400	425	08:04	408	19:10	0.0	0.0	30.3	0.0	30.3
Bassi	400	420	04:01	402	19:36	0.0	0.0	0.0	0.0	0.0
Hissar	400	420	01:59	404	19:12	0.0	0.0	0.0	0.0	0.0
Moga	400	420	01:59	407	19:12	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	02:00	406	19:12	0.0	0.0	32.1	0.0	32.1
Nalagarh	400	434	02:00	413	19:10	0.0	0.0	68.9	4.5	68.9
Kishenpur	400	422	03:59	400	19:22	0.0	0.0	3.1	0.0	3.1
Wagoor	400	410	13:01	376	19:24	10.5	29.6	0.0	0.0	10.5
Amritsar	400	430	02:00	411	14:42	0.0	0.0	38.4	0.0	38.4
Kashipur	400	420	21:45	413	00:40	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	21:55	408	12:11	0.0	0.0	2.3	0.0	2.3
Rishikesh	400	415	21:56	387	09:50	0.0	5.6	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	781	08:05	744	19:13	0.0	0.0	0.0	0.0	0.0
Balia	765	780	17:03	753	02:07	0.0	0.0	0.0	0.0	0.0
Moga	765	801	18:00	778	19:12	0.0	0.0	0.0	0.0	0.0
Agra	765	790	07:01	760	14:47	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	21:50	778	11:40	0.0	0.0	0.0	0.0	0.0
Unnao	765	763	17:38	744	19:12	0.0	0.0	0.0	0.0	0.0
Lucknow	765	784	13:01	762	01:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	17:48	776	12:12	0.0	0.0	11.9	0.0	11.9
Jhatikara	765	800	07:44	769	14:37	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	772	02:00	760	00:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	781	03:59	760	14:31	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	478.96	434.29	481.80	503.43	194.23	329.38
Pong	426.72	384.05	395.78	136.17	403.92	312.39	46.30	96.90
Tehri	829.79	740.04	747.15	34.88	768.00	189.93	46.70	162.00
Koteshwar	612.50	598.50	611.03	4.95	610.89	4.95	162.00	148.93
Chamera-I	760.00	748.75	755.63	0.00	0.00	0.00	126.83	90.76
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1139.06	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	496.07	2.29	516.12	1.92	149.82	116.05

\* 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	15	-235	0	-389	88	0	-1.20	2.86	1.67
Delhi	-353	-160	0	-177	-89	0	-5.52	-2.27	-7.79
Haryana	157	-96	0	408	272	0	4.68	2.01	6.69
HP	-176	73	0	-75	-464	0	-2.61	0.44	-2.17
J&K	38	23	0	-61	172	0	0.13	1.87	2.00
CHD	0	0	0	0	-10	0	0.00	0.20	0.20
Rajasthan	-8	487	0	-4	274	0	-0.17	7.92	7.75
UP	352	974	0	225	0	0	5.48	4.74	10.23
Uttarakhand	393	154	113	78	483	115	7.21	8.10	15.31
<b>Total</b>	<b>416</b>	<b>1220</b>	<b>113</b>	<b>5</b>	<b>726</b>	<b>115</b>	<b>8.01</b>	<b>25.89</b>	<b>33.90</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-389	297	-336	0	0
Delhi	-177	-378	49	-306	0	0
Haryana	484	30	312	-376	0	0
HP	-75	-176	195	-667	0	0
J&K	62	-61	172	-26	0	0
CHD	0	0	40	-20	0	0
Rajasthan	-4	-8	535	-488	0	0
UP	478	148	1120	0	0	0
Uttarakhand	422	78	483	66	115	112

**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 14.04.2016 :**  
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.