

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एनएसईड की पूर्ण स्वामित्व प्राप्त सार्वजनिक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 10.04.2016  
Date of Reporting : 11.04.2016



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
38243	2150	40393	50.02	35639	530	36168	50.08	822.2	34.89

\* 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	39.24	6.96		46.21	48.29	47.03	-1.27	93.23	0.00
Haryana	22.06	0.32		22.38	79.51	77.80	-1.71	100.18	0.00
Rajasthan	116.48	0.26	12.92	129.65	46.88	47.23	0.35	176.88	0.00
Delhi	11.64			11.64	63.06	62.35	-0.71	73.99	0.01
UP	159.95	4.04		163.99	107.95	108.85	0.90	272.84	24.55
Uttarakhand		7.58		7.58	24.60	27.32	2.73	34.90	0.00
HP		7.55		7.55	13.88	15.04	1.16	22.59	0.00
J & K		11.92	0.00	11.92	27.02	32.13	5.11	44.04	10.33
Chandigarh				0.00	3.69	3.52	0.27	3.52	0.00
<b>Total</b>	<b>349.37</b>	<b>38.62</b>	<b>12.92</b>	<b>400.91</b>	<b>414.88</b>	<b>421.26</b>	<b>6.83</b>	<b>822.17</b>	<b>34.89</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	4189	0	-52	-133	3733	0	15	-576	4435
Haryana	5933	0	-158	452	4113	0	58	169	5933
Rajasthan	7523	0	-168	390	7648	0	-123	141	7958
Delhi	3386	0	-101	-195	3016	0	72	-438	3462
UP	12241	1640	159	211	12958	200	113	1980	12958
Uttarakhand	1723	0	86	574	1397	0	146	434	1723
HP	1033	0	9	-366	784	0	57	131	1168
J&K	2039	510	68	171	1868	330	439	34	2180
Chandigarh	177	0	3	-40	122	0	11	0	177
<b>Total</b>	<b>38243</b>	<b>2150</b>	<b>-155</b>	<b>1063</b>	<b>35639</b>	<b>530</b>	<b>788</b>	<b>1873</b>	<b>38243</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)]

Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
			(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
<b>A. NTPC</b>								
Singrauli STPS (5*200+2*500)	2000	915	1033	1047	22.42	934	21.16	1.26
Rihand I STPS (2*500)	1000	729	735	815	16.16	673	15.64	0.52
Rihand II STPS (2*500)	1000	946	1019	1037	21.60	900	20.92	0.68
Rihand III STPS (2*500)	1000	943	966	1012	22.26	928	21.94	0.32
Dadri I STPS (4*210)	840	815	609	668	13.62	567	14.07	-0.46
Dadri II STPS (2*490)	980	485	366	358	8.28	345	8.70	-0.42
Unchahar I TPS (2*210)	420	345	379	365	7.33	306	7.31	0.02
Unchahar II TPS (2*210)	420	202	199	218	3.97	166	4.01	-0.04
Unchahar III TPS (1*210)	210	202	155	220	3.89	162	3.94	-0.06
ISTPP (Jhajjar) (3*500)	1500	950	809	624	15.37	640	15.72	-0.35
Dadri GPS (4*130.19+2*154.51)	830	788	379	390	8.84	368	9.11	-0.27
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	646	293	308	6.80	283	6.94	-0.15
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.00
KHEP(4*200)	800	872	873	0	3.19	133	3.00	0.19
<b>Sub Total (A)</b>	<b>12112</b>	<b>9108</b>	<b>7815</b>	<b>7062</b>	<b>154</b>	<b>6410</b>	<b>153</b>	<b>1</b>
<b>B. NPC</b>								
NAPS (2*220)	440	399	434	440	9.59	400	9.58	0.02
RAPS- B (2*220)	440	375	415	423	9.03	376	9.00	0.03
RAPS- C (2*220)	440	415	441	447	9.59	400	9.96	-0.37
<b>Sub Total (B)</b>	<b>1320</b>	<b>1189</b>	<b>1290</b>	<b>1310</b>	<b>28.21</b>	<b>1175</b>	<b>28.54</b>	<b>-0.33</b>
<b>C. NHPC</b>								
Chamera I HPS (3*180)	540	534	554	0	5.32	222	5.00	0.32
Chamera II HPS (3*100)	300	300	205	0	2.32	97	2.11	0.21
Chamera III HPS (3*77)	231	232	230	0	1.36	57	1.25	0.11
Bairasuli HPS(3*60)	180	179	182	13	2.41	100	2.29	0.11
Salal-HPS (6*115)	690	286	456	250	7.76	323	6.93	0.83
Tanakpur-HPS (3*31.4)	94	16	25	15	0.47	20	0.38	0.10
Uri-I HPS (4*120)	480	473	464	472	11.46	478	11.36	0.10
Uri-II HPS (4*60)	240	224	226	226	5.39	225	5.37	0.02
Dhauliganga-HPS (4*70)	280	280	285	0	0.97	40	0.84	0.13
Dulhasti-HPS (3*130)	390	387	403	0	4.75	198	4.50	0.26
Sewa-II HPS (3*40)	120	119	80	0	0.74	31	0.70	0.04
Parbati 3 (4*130)	520	130	133	0	0.41	17	0.39	0.02
<b>Sub Total (C)</b>	<b>4065</b>	<b>3160</b>	<b>3242</b>	<b>976</b>	<b>43</b>	<b>1806</b>	<b>41</b>	<b>2</b>
<b>D.SJVNL</b>								
NJPC (6*250)	1500	1350	1017	0	8.53	356	8.33	0.21
Rampur HEP (6*68.67)	412	323	302	0	2.30	96	2.21	0.09
<b>Sub Total (D)</b>	<b>1912</b>	<b>1673</b>	<b>1319</b>	<b>0</b>	<b>10.83</b>	<b>451</b>	<b>10.54</b>	<b>0.29</b>
<b>E. THDC</b>								
Tehri HPS (4*250)	1000	420	418	0	4.28	178	4.20	0.08
Koteshwar HPS (4*100)	400	92	101	91	2.24	93	2.20	0.04
<b>Sub Total (E)</b>	<b>1400</b>	<b>512</b>	<b>519</b>	<b>91</b>	<b>6.52</b>	<b>272</b>	<b>6.40</b>	<b>0.12</b>
<b>F. BBMB</b>								
Bhakra HPS (2*108+3*126+5*157)	1379	434	830	367	10.81	450	10.42	0.39
Dehar HPS (6*165)	990	227	495	165	5.40	225	5.46	-0.05
Pong HPS (6*66)	396	11	54	0	0.27	11	0.26	0.02
<b>Sub Total (F)</b>	<b>2765</b>	<b>672</b>	<b>1379</b>	<b>532</b>	<b>16.49</b>	<b>687</b>	<b>16.13</b>	<b>0.36</b>
<b>G. IPP(s)/JV(s)</b>								
ALLAIN DUHANGAN HPS(IPP) (2*100)	192	0	0	0	0.56	23	0.53	0.03
KARCHAM WANGTOO HPS(IPP)	1000	0	680	150	4.35	181	4.33	0.02
Malana Stg-II HPS (2*50)	100	0	0	0	0.35	15	0.34	0.01
Shree Cement TPS (2*150)	300	0	294	291	6.91	288	6.95	-0.04

	Budhil HPS(IPP) (2*35)	70	0	0	0	0.28	11	0.35	-0.07
	Sub Total (G)	1662	0	974	441	12.45	519	12.50	-0.05
<b>H. Total Regional Entities (A-G)</b>		<b>25237</b>	<b>16313</b>	<b>16538</b>	<b>10412</b>	<b>271.69</b>	<b>11320</b>	<b>267.82</b>	<b>3.86</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	3.54	148
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.08	-3
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.18	7
	Goindwal(GVK) (2*270)	540	0	0	-0.12	-5
	Rajpura (2*700)	1400	660	990	18.95	790
	Talwandi Saboo (3*660)	1980	616	928	16.76	698
	<b>Thermal (Total)</b>	<b>6560</b>	<b>1436</b>	<b>2078</b>	<b>39.24</b>	<b>1635</b>
	Total Hydro	1000	374	253	6.96	290
	<b>Total Punjab</b>	<b>7560</b>	<b>1810</b>	<b>2331</b>	<b>46.21</b>	<b>1925</b>
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	491	552	11.62	484
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0
RGTPP (khedar) (IPP) (2*600)		1200	568	382	10.44	435
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>1059</b>	<b>934</b>	<b>22.06</b>	<b>919</b>
Total Hydro		62	9	20	0.32	13
<b>Total Haryana</b>		<b>5006</b>	<b>1068</b>	<b>954</b>	<b>22.38</b>	<b>933</b>
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	701	709	17.15
	suratgarh TPS (6*250)	1500	198	201	4.91	205
	Chabra TPS (4*250)	1000	663	875	20.23	843
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Rangarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	202	205	5.20	217
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingar (NLC) (2*125)	250	160	158	3.64	152
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	436	808	15.20	633
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	812	1111	22.87	953
	Kawai(Adani) (2*660)	1320	1096	1199	27.27	1136
	<b>Thermal (Total)</b>	<b>8876</b>	<b>4268</b>	<b>5266</b>	<b>116</b>	<b>4853</b>
	Total Hydro	550	0	22	0.26	11
	Wind power	3214	830	567	12.42	517
	Biomass	99	20	20	0.47	20
	Solar	730	0	0	0.04	1
	Renewable/Others (Total)	4043	850	587	12.92	538
	<b>Total Rajasthan</b>	<b>13469</b>	<b>5118</b>	<b>5875</b>	<b>129.65</b>	<b>5402</b>
	UP	Anpara TPS (3*210+2*500)	1630	1226	1195	29.51
Obra TPS (2*50+2*94+5*200)		1194	317	427	9.75	406
Paricha TPS (2*110+2*220+2*250)		1160	983	966	23.45	977
Panki TPS (2*105)		210	77	77	1.77	74
Harduaganj TPS (1*60+1*105+2*250)		665	446	447	10.70	446
Tanda TPS (NTPC) (4*110)		440	396	299	7.11	296
Roza TPS (IPP) (4*300)		1200	1090	1080	24.35	1014
Anpara-C (IPP) (2*600)		1200	1080	1085	26.03	1085
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	406	404	8.01	334
Anpara-D(2*500)		1000	0	0	0.00	0
Lalitpur TPS(3*660)		1980	467	506	9.68	404
Bara(2*660)		1320	0	0	0.00	0
<b>Thermal (Total)</b>		<b>12449</b>	<b>6488</b>	<b>6486</b>	<b>150</b>	<b>6264</b>
Vishnuparyag HPS (IPP)(4*110)		440	73	70	1.78	74
Alaknanda(4*82.5)		330	84	77	1.09	45
Other Hydro		527	64	138	1.17	49
Cogeneration		981	400	400	9.60	400
<b>Total UP</b>	<b>14727</b>	<b>7109</b>	<b>7171</b>	<b>164</b>	<b>6833</b>	
Uttarakhand	Total Hydro	1398	421	291	7.58	316
	<b>Total Uttarakhand</b>	<b>1398</b>	<b>421</b>	<b>291</b>	<b>7.58</b>	<b>316</b>
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.87	36
	Pragati Gas Turbine (2x104+ 1x122)	330	150	155	3.69	154
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	331	7.08	295
	Thermal (Total)	2917	511	522	11.64	485
	<b>Total Delhi</b>	<b>2917</b>	<b>511</b>	<b>522</b>	<b>11.64</b>	<b>485</b>
HP	Baspa HPS (IPP) (3*100)	300	0	31	0.84	35
	Malana HPS (IPP) (2*43)	86	0	0	0.38	16
	Other Hydro	878	321	259	6.33	264
	<b>Total HP</b>	<b>1264</b>	<b>321</b>	<b>290</b>	<b>7.55</b>	<b>314</b>
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	440	300	9.66	403
	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>558</b>	<b>382</b>	<b>11.92</b>	<b>497</b>
<b>Total State Control Area Generation</b>		<b>47841</b>	<b>16916</b>	<b>17816</b>	<b>400.91</b>	<b>16705</b>
<b>J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]</b>			<b>6757</b>	<b>6835</b>	<b>153.65</b>	<b>6402</b>
<b>Total Regional Availability(Gross)</b>		<b>73078</b>	<b>40211</b>	<b>35063</b>	<b>826.25</b>	<b>34427</b>

431.50

## IV. Total Hydro Generation:

Regional Entities Hydro	12234	8012	1750	85.64	3568
State Control Area Hydro	6881	1904	1543	39	1609
<b>Total Regional Hydro</b>	<b>19115</b>	<b>9916</b>	<b>3293</b>	<b>124.26</b>	<b>5177</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	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	200	-250	250	200			1.36	4.24	-2.89
765 KV Gwalior-Agra (D/C)	2557	2954	3131	0	60.91	0.00	60.91		
400 KV Zerda-Kankroli	-145	-164	0	326	0.00	5.40	-5.40		
400 KV Zerda-Bhinmal	102	123	49	269	0.00	3.85	-3.85		
220 KV Auraiya-Malanpur	-63	-53	0	70	0.00	1.09	-1.09		
220 KV Badod-Kota/Morak	-22	10	25	60	0.00	0.46	-0.46		
Mundra-Mohindergarh(HVDC Bipole)	2503	2498	2507	0	59.36	0.00	59.36		
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 kv Phagi-Gwalior (D/C)	694	811	967	0	17.37	0.00	17.37		
<b>Sub Total WR</b>	<b>5826</b>	<b>5929</b>			<b>139.00</b>	<b>15.05</b>	<b>123.94</b>		

Pusaui Bypass/HVDC	200	200	200	0	4.84	0.00	4.84
400 KV MZP- GKP (D/C)	12	-208	208	242	2.11	0.00	2.11
400 KV Patna-Balia(D/C) X 2	-50	357	357	103	3.77	0.00	3.77
400 KV B'Sharif-Balia (D/C)	77	160	184	0	2.83	0.00	2.83
765 KV Gaya-Balia	230	335	335	0	3.34	0.00	3.34
765 KV Gaya-Varanasi -1	137	0	137	0	2.91	0.00	2.91
220 KV Pusaui-Sahupuri	195	180	211	0	4.00	0.00	4.00
132 KV Knasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-26	-32	0	32	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-246	-195	0	294	0.00	4.23	-4.23
400 KV Barh -GKP (D/C)	-98	-200	210	0	3.75	0.00	3.75
400 kvB'Sharif - Varanasi (D/C)	0	-191	0	225	0.00	5.01	-5.01
<b>Sub Total ER</b>	<b>431</b>	<b>406</b>			<b>28.03</b>	<b>9.80</b>	<b>18.23</b>
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	11.48	0.00	11.48
<b>Sub Total NER</b>	<b>500</b>	<b>500</b>			<b>11.48</b>	<b>0.00</b>	<b>11.48</b>
<b>Total IR Exch</b>	<b>6757</b>	<b>6835</b>			<b>178.50</b>	<b>24.85</b>	<b>153.65</b>

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

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
32.03	0.26	32.28	5.08	4.06	-0.06	15.52	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
37.30	126.98	164.29	29.70	123.94	153.65	-7.60	-3.04	-10.64

**(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	-28	0	32	0	1	-0.72

**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	0.10	12.28	60.81	72.53	12.00	3.23	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	13.03	49.79	5.24	49.98	0.048	0.067	0.00	0.00	27.47

**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	7:18	398	0:30	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	17:03	403	2:08	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	8:04	404	19:11	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	8:03	405	19:13	0.0	0.0	0.1	0.0	0.1
Balabhgarh	400	427	8:01	409	14:36	0.0	0.0	35.5	0.0	35.5
Bawana	400	425	8:04	408	19:10	0.0	0.0	30.3	0.0	30.3
Bassi	400	420	4:01	402	19:36	0.0	0.0	0.0	0.0	0.0
Hissar	400	420	1:59	404	19:12	0.0	0.0	0.0	0.0	0.0
Moga	400	420	1:59	407	19:12	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	2:00	406	19:12	0.0	0.0	32.1	0.0	32.1
Nalagarh	400	434	2:00	413	19:10	0.0	0.0	68.9	4.5	68.9
Kishenpur	400	422	3:59	400	19:22	0.0	0.0	3.1	0.0	3.1
Wagoora	400	410	13:01	376	19:24	10.5	29.6	0.0	0.0	10.5
Amritsar	400	430	2:00	411	14:42	0.0	0.0	38.4	0.0	38.4
Kashipur	400	420	21:45	413	0:40	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	9:50	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	8:05	744	19:13	0.0	0.0	0.0	0.0	0.0
Balia	765	780	17:03	753	2:07	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	7:01	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	1:11	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	7:44	769	14:37	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Anta	765	772	2:00	760	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	781	3:59	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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	479.47	447.73	481.46	495.33	225.46	322.42
Pong	426.72	384.05	395.83	141.12	403.77	312.39	51.34	22.43
Tehri	829.79	740.04	749.30	45.00	769.85	205.00	42.82	155.00
Koteshwar	612.50	598.50	611.71	5.44	611.50	5.30	155.00	147.54
Chamera-I	760.00	748.75	754.75	0.00	0.00	0.00	117.72	144.99
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1139.25	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	496.23	3.68	515.06	2.36	145.87	280.40

\* 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	19	-596	0	-389	256	0	-1.17	2.01	0.85
Delhi	-328	-110	0	-176	-18	0	-5.06	-1.11	-6.16
Haryana	338	-169	0	236	216	0	6.51	-1.03	5.48
HP	-126	257	0	-25	-341	0	-1.41	1.47	0.06
J&K	47	-13	0	47	124	0	1.12	0.84	1.96
CHD	0	0	0	0	-40	0	0.00	-0.14	-0.14
Rajasthan	-8	149	0	-4	394	0	-0.17	6.37	6.20
UP	518	1461	0	211	0	0	5.90	8.84	14.73
Uttarakhand	311	123	0	311	263	0	7.76	3.67	11.43
<b>Total</b>	<b>771</b>	<b>1102</b>	<b>0</b>	<b>210</b>	<b>853</b>	<b>0</b>	<b>13.49</b>	<b>20.91</b>	<b>34.40</b>

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-389	369	-612	0	0
Delhi	-176	-378	66	-278	0	0
Haryana	338	236	293	-566	0	0
HP	-25	-126	292	-637	0	0
J&K	47	46	124	-13	0	0
CHD	0	0	10	-40	0	0
Rajasthan	-4	-8	406	-355	0	0
UP	641	139	1461	0	0	0
Uttarakhand	340	311	263	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 10.04.2016 :

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.

Report for : 10.04.2016

परी प्रभारी अभियंता / SHIFT CHARGE ENGINEER