पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.07.2016
Date of Reporting : 02.07.2016

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
47567	452	48018	50.08	48917	773	49690	50.03	1149.7	13.72

* 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	88.81	13.37		102.17	126.90	126.04	-0.86	228.21	0.00
Haryana	46.17	0.83		47.00	137.35	133.60	-3.74	180.61	2.04
Rajasthan	107.59	0.00	26.37	133.97	46.48	46.19	-0.29	180.16	0.00
Delhi	24.29			24.29	102.38	102.05	-0.33	126.34	0.35
UP	165.10	17.49		182.59	150.96	150.50	-0.46	333.10	0.00
Uttarakhand		16.58		16.58	19.63	21.29	1.66	37.86	2.72
HP		18.07		18.07	6.24	8.27	2.03	26.34	0.38
J & K		17.58	0.00	17.58	17.27	12.85	-4.41	30.44	8.23
Chandigarh				0.00	6.41	6.60	0.27	6.60	0.00
Total	**431.97**	**83.92**	**26.37**	**542.26**	**613.60**	**607.40**	**-6.13**	**1149.65**	13.72

* 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				Maximum Demand Met (MW) and Time(Hrs)		Shortage (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	8619	0	-599	2120	9057	0	36	2049	10230	15:00	0
Haryana	8005	0	-375	1700	7719	0	-190	1741	8400	21:00	0
Rajasthan	7210	0	-189	-492	8165	0	209	-63	8632	1:00	0
Delhi	5206	0	42	292	5242	2	110	97	6208	16:00	47
UP	13852	0	-244	1064	14809	40	-128	1368	14936	2:00	465
Uttarakhand	1753	70	-93	-61	1383	370	267	-262	1930	21:00	70
HP	1094	0	94	-1380	925	20	66	-1526	1249	16:00	0
J&K	1526	382	52	-523	1363	341	-93	-673	1675	14:00	419
Chandigarh	303	0	1	0	253	0	7	0	338	15:00	0
Total	**47567**	**452**	**-1312**	**2720**	**48917**	**773**	**285**	**2732**	**50892**	**15:00**	**662**

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

Diversity is 1.05

III. Regional Entities :

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

	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	1890	2062	2058	43.42	1809	43.69	-0.27
	Rihand I STPS (2*500)	1000	510	676	508	11.46	477	11.30	0.15
	Rihand II STPS (2*500)	1000	946	1015	1017	20.61	859	20.66	-0.04
	Rihand III STPS (2*500)	1000	943	998	1016	20.71	863	20.87	-0.17
	Dadri I STPS (4*210)	840	805	634	516	11.84	493	12.36	-0.52
	Dadri II STPS (2*490)	980	960	907	910	19.79	825	20.94	-1.15
	Unchahar I TPS (2*210)	420	350	355	358	7.00	292	7.66	-0.66
	Unchahar II TPS (2*210)	420	400	419	385	7.56	315	8.44	-0.88
	Unchahar III TPS (1*210)	210	200	214	209	3.92	163	4.28	-0.35
	ISTPP (Jhajjhar) (3*500)	1500	1425	1138	895	24.13	1005	24.66	-0.53
	Dadri GPS (4*130.19+2*154.51)	830	787	187	190	4.11	171	4.23	-0.11
	Anta GPS (3*88.71+1*153.2)	419	398	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	631	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.01	1	0.02	-0.01
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.06	2	0.06	-0.01
	KHEP(4*200)	800	855	851	850	20.48	853	20.52	-0.04
	Sub Total (A)	**12112**	**11106**	**9456**	**8912**	**195**	**8131**	**200**	**-4.60**
B. NPC	NAPS (2*220)	440	380	414	419	9.06	377	9.12	-0.06
	RAPS- B (2*220)	440	363	406	408	8.75	364	8.71	0.03
	RAPS- C (2*220)	440	405	429	429	9.20	383	9.72	-0.52
	Sub Total (B)	**1320**	**1148**	**1249**	**1256**	**27.00**	**1125**	**27.55**	**-0.55**
C. NHPC	Chamera I HPS (3*180)	540	540	550	546	7.97	332	7.83	0.14
	Chamera II HPS (3*100)	300	301	311	304	7.28	303	7.22	0.06
	Chamera III HPS (3*77)	231	231	234	236	5.57	232	5.54	0.02
	Bairasuil HPS(3*60)	180	180	61	185	2.18	91	2.13	0.06
	Salal-HPS (6*115)	690	656	673	679	16.06	669	15.75	0.31
	Tanakpur-HPS (3*31.4)	94	30	0	89	0.72	30	0.76	-0.04
	Uri-I HPS (4*120)	480	444	460	455	10.82	451	10.68	0.14
	Uri-II HPS (4*60)	240	235	237	239	5.68	236	5.64	0.03
	Dhauliganga-HPS (4*70)	280	280	286	270	6.69	279	6.72	-0.03
	Dulhasti-HPS (3*130)	390	258	275	269	6.34	264	6.20	0.14
	Sewa-II HPS (3*40)	120	119	129	41	0.50	21	0.50	0.00
	Parbati 3 (4*130)	520	390	393	132	4.56	190	4.50	0.05
	Sub Total (C)	**4065**	**3666**	**3610**	**3446**	**74**	**3098**	**73**	**0.89**
D.SJVNL	NJPC (6*250)	1500	1605	1612	1609	38.44	1602	38.52	-0.08
	Rampur HEP (6*68.67)	412	434	447	443	10.58	441	10.41	0.18
	Sub Total (D)	**1912**	**2039**	**2059**	**2052**	**49.03**	**2043**	**48.93**	**0.10**
E. THDC	Tehri HPS (4*250)	1000	608	623	301	7.67	319	7.54	0.13
	Koteshwar HPS (4*100)	400	167	299	96	3.68	153	3.64	0.04
	Sub Total (E)	**1400**	**775**	**922**	**397**	**11.34**	**473**	**11.18**	**0.17**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	1021	1294	901	24.67	1028	24.50	0.17
	Dehar HPS (6*165)	990	611	660	420	14.85	619	14.67	0.18
	Pong HPS (6*66)	396	54	147	0	1.29	54	1.31	-0.01
	Sub Total (F)	**2765**	**1686**	**2101**	**1321**	**40.81**	**1700**	**40.47**	**0.34**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	190	230	4.56	190	4.13	0.43
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.17	1091	26.12	0.05
	Malana Stg-II HPS (2*50)	100	0	113	112	2.67	111	2.50	0.17
	Shree Cement TPS (2*150)	300	0	294	292	6.61	275	6.63	-0.02
	Budhil HPS(IPP) (2*35)	70	0	45	38	0.93	39	0.90	0.03
	Sub Total (G)	**1662**	**0**	**1742**	**1773**	**40.94**	**1706**	**40.28**	**0.66**
H. Total Regional Entities (A-G)		**25237**	**20420**	**21138**	**19156**	**438.63**	**18276**	**441.62**	**-2.99**

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	1030	1030	24.78	1032
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	360	375	8.25	344
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	796	793	18.23	759
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	1120	1020	27.20	1133
	Talwandi Saboo (3*660)	1980	308	308	10.35	431
	Thermal (Total)	**6560**	**3614**	**3526**	**88.81**	**3700**
	Total Hydro	1000	495	618	13.37	557
	Total Punjab	**7560**	**4109**	**4144**	**102.17**	**4257**
Haryana	Panipat TPS (2*210+2*250)	920	741	554	14.75	614
	DCRTPP (Yamuna nagar) (2*300)	600	269	230	5.93	247
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	177	169	4.14	172
	RGTPP (khedar) (IPP) (2*600)	1200	381	363	10.92	455
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	495	728	10.44	435
	Thermal (Total)	**4497**	**2063**	**2044**	**46.17**	**1924**
	Total Hydro	62	33	35	0.83	35
	Total Haryana	**4559**	**2096**	**2079**	**47.00**	**1958**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	796	767	19.00	792
	suratgarh TPS (6*250)	1500	571	752	15.96	665
	Chabra TPS (4*250)	1000	557	582	13.44	560
	Dholpur GPS (3*110)	330	86	85	2.15	90
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	146	143	3.48	145
	RAPS A (NPC) (1*100+1*200)	300	137	136	3.38	141
	Barsingsar (NLC) (2*125)	250	114	189	3.59	150
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	525	791	14.58	608
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	404	409	9.76	407
	Kawai(Adani) (2*660)	1320	864	959	22.25	927
	Thermal (Total)	**8876**	**4200**	**4813**	**108**	**4483**
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	1491	689	26.06	1086
	Biomass	99	13	13	0.31	13
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	1504	702	26.37	1099
	Total Rajasthan	**13469**	**5704**	**5515**	**133.97**	**5582**
UP	Anpara TPS (3*210+2*500)	1630	1315	1342	31.77	1324
	Obra TPS (2*50+2*94+5*200)	1194	432	252	8.72	363
	Paricha TPS (2*110+2*220+2*250)	1160	942	934	21.96	915
	Panki TPS (2*105)	210	135	135	3.19	133
	Harduaganj TPS (1*60+1*105+2*250)	665	527	549	12.55	523
	Tanda TPS (NTPC) (4*110)	440	377	365	8.67	361
	Roza TPS (IPP) (4*300)	1200	851	1103	22.97	957
	Anpara-C (IPP) (2*600)	1200	1071	1085	24.74	1031
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	404	365	8.17	340
	Anpara-D(2*500)	1000	401	430	10.11	421
	Lalitpur TPS(3*660)	1980	410	501	9.86	411
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**12449**	**6865**	**7061**	**163**	**6779**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.43	435
	Alaknanada(4*82.5)	330	204	336	5.29	220
	Other Hydro	527	48	246	1.77	74
	Cogeneration	981	100	100	2.40	100
	Total UP	**14727**	**7652**	**8178**	**183**	**7608**
Uttarakhand	Total Hydro	1398	788	450	16.58	691
	Total Gas	225	0	0	0.00	0
	Total Uttarakhand	**1623**	**788**	**450**	**17**	**691**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	167	134	3.90	163
	Pragati Gas Turbine (2x104+ 1x122)	330	288	267	6.78	283
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	256	254	6.40	267
	Badarpur TPS (NTPC) (3*95+2*210)	705	322	327	7.21	300
	Thermal (Total)	2917	1033	982	24.29	1012
	Total Delhi	**2917**	**1033**	**982**	**24.29**	**1012**
HP	Baspa HPS (IPP) (3*100)	300	320	0	4.66	194
	Malana HPS (IPP) (2*43)	86	104	105	2.50	104
	Other Hydro	878	447	467	10.90	454
	Total HP	**1264**	**871**	**572**	**18.07**	**753**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	585	585	14.04	585
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**735**	**733**	**17.58**	733
Total State Control Area Generation		**47619**	**22988**	**22653**	**542.26**	**22594**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7412**	**8284**	**199.88**	**8328**
Total Regional Availability(Gross)		**72856**	**51539**	**50093**	**1180.77**	**49199**

IV. Total Hydro Generation:

Regional Entities Hydro		**12234**	**10945**	**9509**	**229.42**	**9559**
State Control Area Hydro		**7106**	**3609**	**3425**	**84**	**3497**
Total Regional Hydro		**19340**	**14554**	**12934**	**313.34**	**13056**

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
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	250	200	200	250	1.26	4.48	-3.22
765 KV Gwalior-Agra (D/C)	2153	2681	3098	0	61.34	0.00	61.34
400 KV Zerda-Kankroli	-308	-174	0	343	0.00	4.93	-4.93
400 KV Zerda-Bhinmal	-291	-156	0	368	0.00	4.57	-4.57
220 KV Auraiya-Malanpur	-29	33	33	29	0.33	0.00	0.33
220 KV Badod-Kota/Morak	-82	70	73	82	0.42	0.00	0.42
Mundra-Mohindergarh(HVDC Bipole)	2504	2498	2506	0.00	55.82	0.00	55.82
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	702	1081	1311	0	23.78	0.00	23.78
Sub Total WR	**4899**	**6233**			**142.94**	**13.99**	**128.96**
Pusauli Bypass/HVDC	-398	-394	0	408	0.00	10.44	-10.44
400 KV MZP- GKP (D/C)	282	273	612	0	9.65	0.00	9.65
400 KV Patna-Balia(D/C) X 2	745	744	1111	0	20.46	0.00	20.46
400 KV B'Sharif-Balia (D/C)	159	168	368	0	5.90	0.00	5.90
765 KV Gaya-Balia	182	276	303	0	3.03	0.00	3.03
765 KV Gaya-Varanasi (D/C)	-163	-252	447	0	7.37	0.00	7.37
220 KV Pusauli-Sahupuri	174	256	264	0	6.70	0.00	6.70
132 KV K'nasa-Sahupuri	-24	-40	0	40	0.00	0.67	-0.67
132 KV Son Ngr-Rihand	-26	-26	0	30	0.00	0.52	-0.52
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	58	26	243	0	2.49	0.00	2.49
400 KV Barh -GKP (D/C)	524	520	622	0	12.63	0.00	12.63
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**1513**	**1551**			**68.23**	**11.63**	**56.60**
+/- 800 KV BiswanathCharialli-Agra	1000	500	1000	0.00	14.33	0.00	14.33
Sub Total NER	**1000**	**500**			**14.33**	**0.00**	**14.33**
Total IR Exch	**7412**	**8284**			**225.50**	**25.62**	**199.88**

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
40.83	2.31	43.15	4.77	8.99	27.08	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
75.00	119.24	194.24	70.93	128.96	199.88	-4.07	9.72	5.64

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
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-24	-26	0	29	0	1	-0.55

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	1.90	44.49	79.17	16.06	3.95	0.00	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.17	22.00	49.82	14.51	50.01	0.028	0.052	50.20	49.99	20.83

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	404	0:00	401	3:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	6:04	396	12:39	0.0	0.0	1.0	0.0	1.0
Bareilly(PG)400kV	400	399	0:00	399	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	6:40	390	14:43	0.0	0.0	0.0	0.0	0.0
Dadri	400	416	6:01	389	14:47	0.0	0.4	0.0	0.0	0.0
Ballabhgarh	400	424	6:02	388	14:49	0.0	0.4	6.1	0.0	6.1
Bawana	400	417	6:01	390	14:26	0.0	0.0	0.0	0.0	0.0
Bassi	400	423	6:40	396	14:43	0.0	0.0	4.6	0.0	4.6
Hissar	400	416	6:02	388	14:20	0.0	2.8	0.0	0.0	0.0
Moga	400	413	6:08	388	14:19	0.0	3.3	0.0	0.0	0.0
Abdullapur	400	411	23:26	387	14:49	0.0	6.7	0.0	0.0	0.0
Nalagarh	400	419	6:00	391	14:25	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	410	6:35	389	14:19	0.0	0.2	0.0	0.0	0.0
Wagoora	400	410	5:36	384	14:10	0.0	15.5	0.0	0.0	0.0
Amritsar	400	416	4:03	393	12:23	0.0	0.0	0.0	0.0	0.0
Kashipur	400	419	6:03	406	12:40	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	414	4:03	399	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	429	23:55	398	12:11	0.0	0.0	26.7	0.0	26.7

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	784	6:08	733	14:43	0.0	4.0	0.0	0.0	0.0
Balia	765	781	6:04	737	14:43	0.0	3.9	0.0	0.0	0.0
Moga	765	774	16:59	752	15:17	0.0	0.0	0.0	0.0	0.0
Agra	765	794	6:07	743	14:48	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	800	6:08	746	14:24	0.0	0.0	0.0	0.0	0.0
Unnao	765	778	8:00	731	14:49	0.0	6.7	0.0	0.0	0.0
Lucknow	765	798	6:17	748	14:43	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	6:07	748	14:20	0.0	0.0	3.0	0.0	3.0
Jhatikara	765	796	4:27	742	14:49	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	788	5:56	759	14:47	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	6:08	754	14:21	0.0	0.0	0.0	0.0	0.0

Note : "0" in Max / Min Col -> Telemetry Outage

IX. Reservior Parameters:

Name of Reservior	Parameters		Present Parameters		Last Year		Last day	
	FRL (m)	MDDL (m)	Level (m)	Energy (MU)	Level (m)	Energy (MU)	Inflow (m^3/s)	Usage (m^3/s)
Bhakra	513.59	445.62	480.02	461.24	488.37	680.71	994.35	929.70
Pong	426.72	384.05	392.40	84.61	406.13	370.28	725.65	111.82
Tehri	829.79	740.04	757.00	92.55	749.90	49.10	627.77	262.00
Koteshwar	612.50	598.50	609.65	4.69	610.84	4.95	262.00	242.46
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	341.22	218.95
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	502.74	5.78	522.88	10.31	211.40	356.43

*** 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	1140	909	0	1138	982	0	24.99	25.23	50.22
Delhi	91	6	0	570	-279	0	11.50	-1.11	10.39
Haryana	1437	304	0	1412	288	0	31.43	6.75	38.18
HP	-1500	-26	0	-1247	-133	0	-31.93	-0.77	-32.70
J&K	-658	-15	0	-583	60	0	-15.53	-0.85	-16.38
CHD	0	0	0	0	0	0	0.35	0.11	0.47
Rajasthan	-314	251	0	-314	-178	0	-7.53	7.12	-0.41
UP	1075	293	0	771	293	0	19.47	1.93	21.41
Uttarakhand	-389	128	0	-309	248	0	-8.35	3.70	-4.66
Total	**882**	**1851**	**0**	**1439**	**1282**	**0**	**24.41**	**42.11**	**66.52**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1221	951	1490	909	0	0
Delhi	642	91	354	-411	0	0
Haryana	1576	944	347	39	0	0
HP	-1244	-1501	42	-275	0	0
J&K	-557	-809	85	-166	0	0
CHD	44	0	39	0	0	0
Rajasthan	-314	-314	393	-178	0	0
UP	1124	699	293	0	0	0
Uttarakhand	-59	-486	252	119	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	**5.56%**
ER	**0.00%**
Simultaneous	**21.53%**

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

WR	**22.92%**
ER	**0.00%**
Simultaneous	**50.00%**

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	**0.00%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

0.00

XIV. Weather Conditions For 01.07.2016 :

XV. Synchronisation of new generating units :

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

1. 400/220 kV 500 MVA ICT II first time charged on load at 19:52 Hrs dt. 01.07.2016.

2. Filter 1 type B (125 MVAR) first time charged at 800 kV Kurukchetra S/S at 19.45 Hrs dt. 01.07.2016.

3. 220 kV bays no. 202, 203, 205 & 210 first time charged at Baghpat at (17:59 Hrs to 20.31 Hrs) dt. 01.07.2016

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 : 01.07.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER