

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वाभिमूर्ति प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 28.06.2016
Date of Reporting : 29.06.2016



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
48308	1645	49953	50.08	45293	388	45681	50.03	1100.9	16.34

* 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 *
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	80.48	15.11		95.59	110.98	110.62	-0.36	206.21	0.00
Haryana	55.42	0.81		56.22	116.45	112.52	-3.93	168.74	0.01
Rajasthan	116.31	0.13	11.29	127.73	54.11	55.65	1.54	183.37	0.00
Delhi	22.61			22.61	92.18	90.78	-1.40	113.39	0.08
UP	145.38	18.80		164.18	156.96	156.44	-0.52	320.63	7.85
Uttarakhand		21.09		21.12	21.23	21.28	0.05	42.40	0.10
HP		20.28		20.28	5.84	6.36	0.53	26.64	0.00
J & K		17.58	0.00	17.58	20.23	15.68	-4.55	33.26	8.32
Chandigarh				0.00	6.21	6.29	0.27	6.29	0.00
Total	420.19	93.80	11.29	525.30	584.20	575.63	-8.38	1100.94	16.34

* 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				Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	9117	0	-86	1852	7491	0	-293	1688	9473	16:00	0
Haryana	7577	3	-185	1461	7500	0	29	1605	8313	21:00	26
Rajasthan	7406	0	-104	-191	7290	0	241	92	8770	23:00	0
Delhi	4724	0	-168	615	4651	0	39	339	5731	1:00	0
UP	14394	1110	205	1213	14009	0	-197	1270	14946	24:00	0
Uttarakhand	1945	75	80	196	1580	0	-86	113	1945	20:00	75
HP	1044	0	-3	-1341	962	0	29	-1438	1248	13:00	0
J&K	1828	457	-27	-512	1550	388	16	-547	1828	20:00	457
Chandigarh	272	0	-2	0	259	0	19	10	313	15:00	0
Total	48308	1645	-289	3293	45293	388	-201	3132	50835	23:00	602

\$ 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 :

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 [DG:(+ve), UG: (-ve)]	
								Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1890	2071	1916	42.52	1772	41.79		0.73
Rihand I STPS (2*500)	1000	465	510	388	9.85	410	9.67		0.17
Rihand II STPS (2*500)	1000	946	1010	812	19.98	832	19.49		0.49
Rihand III STPS (2*500)	1000	943	960	913	20.50	854	20.29		0.20
Dadri I STPS (4*210)	840	805	280	295	7.23	301	7.43		-0.20
Dadri II STPS (2*490)	980	960	672	725	17.26	719	17.89		-0.63
Unchahar I TPS (2*210)	420	350	343	254	6.26	261	6.90		-0.64
Unchahar II TPS (2*210)	420	400	412	262	6.74	281	7.54		-0.80
Unchahar III TPS (1*210)	210	200	219	133	3.35	139	3.76		-0.42
ISTPP (Jhajjar) (3*500)	1500	1343	1080	941	22.04	918	22.74		-0.70
Dadri GPS (4*130.19+2*154.51)	830	794	188	179	4.18	174	4.38		-0.20
Anta GPS (3*88.71+1*153.2)	419	398	0	0	0.00	0	0.01		-0.01
Auraiya GPS (4*111.19+2*109.30)	663	631	0	0	0.00	0	0.01		-0.01
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.05	2	0.04		0.01
Singrauli Solar(15)	15	3	0	0	0.08	3	0.07		0.01
KHEP(4*200)	800	853	851	634	20.50	854	20.52		-0.02
Sub Total (A)	12112	10984	8596	7452	181	7522	183		-2.01
B. NPC									
NAPS (2*220)	440	378	415	423	9.24	385	9.07		0.17
RAPS- B (2*220)	440	369	369	369	7.86	327	8.86		-1.00
RAPS- C (2*220)	440	410	410	410	8.84	368	9.84		-1.00
Sub Total (B)	1320	1157	1194	1202	25.93	1081	27.77		-1.84
C. NHPC									
Chamera I HPS (3*180)	540	543	543	543	10.35	431	10.20		0.15
Chamera II HPS (3*100)	300	301	309	306	7.29	304	7.22		0.08
Chamera III HPS (3*77)	231	230	231	231	5.50	229	5.52		-0.02
Bairasuli HPS(3*60)	180	180	181	61	2.28	95	2.21		0.07
Salal-HPS (6*115)	690	662	676	677	16.30	679	15.88		0.42
Tanakpur-HPS (3*31.4)	94	51	29	46	1.32	55	1.23		0.09
Uri-I HPS (4*120)	480	449	474	477	10.93	455	10.69		0.24
Uri-II HPS (4*60)	240	237	239	239	5.69	237	5.69		0.00
Dhauliganga-HPS (4*70)	280	280	277	282	6.74	281	6.72		0.02
Dulhasti-HPS (3*130)	390	338	398	396	8.25	344	8.15		0.10
Sewa-II HPS (3*40)	120	119	127	0	0.41	17	0.40		0.01
Parbati 3 (4*130)	520	390	390	0	3.96	165	3.90		0.06
Sub Total (C)	4065	3778	3873	3258	79	3292	78		1.21
D. SJVNL									
NJPC (6*250)	1500	1605	1613	1615	38.53	1605	38.52		0.01
Rampur HEP (6*68.67)	412	442	450	451	10.80	450	10.61		0.19
Sub Total (D)	1912	2047	2063	2066	49.33	2055	49.12		0.21
E. THDC									
Tehri HPS (4*250)	1000	588	596	300	6.58	274	6.30		0.28
Koteshwar HPS (4*100)	400	135	397	92	3.31	138	3.25		0.06
Sub Total (E)	1400	723	993	392	9.89	412	9.55		0.34
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	1049	1303	902	25.17	1049	25.18		-0.01
Dehar HPS (6*165)	990	602	660	570	14.77	615	14.44		0.33
Pong HPS (6*66)	396	79	144	96	1.90	79	1.90		0.01
Sub Total (F)	2765	1730	2107	1568	41.84	1743	41.51		0.32
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	145	217	4.13	172	4.03		0.10
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.24	1093	26.14		0.10
Malana Stg-II HPS (2*50)	100	0	111	112	2.64	110	2.48		0.16
Shree Cement TPS (2*150)	300	0	290	276	6.56	273	6.68		-0.12
Budhil HPS(IPP) (2*35)	70	0	38	38	0.89	37	0.90		-0.01
Sub Total (G)	1662	0	1683	1743	40.46	1686	40.23		0.23
H. Total Regional Entities (A-G)	25237	20419	20509	17680	427.00	17792	428.54		-1.54

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	900	770	19.62	817
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	190	275	4.85	202
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	581	786	14.48	603
	Goindwal(GVK) (2*270)	540	0	0	-0.05	-2
	Rajpura (2*700)	1400	1120	660	22.30	929
	Talwandi Saboo (3*660)	1980	960	616	19.28	803
	Thermal (Total)	6560	3751	3107	80.48	3353
	Total Hydro	1000	645	579	15.11	630
	Total Punjab	7560	4396	3686	95.59	3983
	Haryana	Panipat TPS (2*210+2*250)	920	777	756	17.79
DCRTPP (Yamuna nagar) (2*300)		600	267	238	5.66	236
Faridabad GPS (NTPC)(2*137.75+1*156)		432	179	164	4.05	169
RGTPP (khedar) (IPP) (2*600)		1200	442	371	9.55	398
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	809	746	18.37	765
Thermal (Total)		4497	2474	2275	55.42	2309
Total Hydro		62	32	35	0.81	34
Total Haryana		4559	2506	2310	56.22	2343
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	984	936	23.40
	suratgarh TPS (6*250)	1500	698	948	17.99	750
	Chabra TPS (4*250)	1000	553	600	12.66	528
	Dholpur GPS (3*110)	330	84	84	2.12	88
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	71	72	1.75	73
	RAPS A (NPC) (1*100+1*200)	300	137	136	3.32	138
	Barsingsar (NLC) (2*125)	250	194	191	4.41	184
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	701	578	15.29	637
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	442	406	10.71	446
	Kawai(Adani) (2*660)	1320	1155	865	24.66	1028
	Thermal (Total)	8876	5019	4816	116	4846
	Total Hydro	550	30	0	0.13	6
	Wind power	3214	237	182	8.03	334
	Biomass	99	27	27	0.64	27
	Solar	730	0	0	2.62	109
	Renewable/Others (Total)	4043	264	209	11.29	470
	Total Rajasthan	13469	5313	5025	127.73	5322
	UP	Anpara TPS (3*210+2*500)	1630	1370	1338	32.00
Obra TPS (2*50+2*94+5*200)		1194	272	429	8.50	354
Paricha TPS (2*110+2*220+2*250)		1160	954	955	21.00	875
Panki TPS (2*105)		210	99	129	2.90	121
Harduaganj TPS (1*60+1*105+2*250)		665	448	442	9.70	404
Tanda TPS (NTPC) (4*110)		440	385	370	8.18	341
Roza TPS (IPP) (4*300)		1200	1094	1089	22.30	929
Anpara-C (IPP) (2*600)		1200	1053	1080	23.20	967
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	365	212	6.30	263
Anpara-D(2*500)		1000	204	383	7.00	292
Lalitpur TPS(3*660)		1980	214	0	1.90	79
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		12449	6458	6427	143	5958
Vishnuparyag HPS (IPP)(4*110)		440	435	326	9.30	388
Alaknanda(4*82.5)		330	125	310	7.00	292
Other Hydro		527	226	196	2.50	104
Cogeneration		981	100	100	2.40	100
Total UP		14727	7344	7359	164	6841
Uttarakhand		Total Hydro	1398	899	794	21.09
	Total Gas	225	0	0	0.03	1
	Total Uttarakhand	1623	899	794	21	880
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	134	139	3.62	151
	Pragati Gas Turbine (2x104+ 1x122)	330	262	170	6.02	251
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	253	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	327	311	6.90	288
	Thermal (Total)	2917	977	873	22.61	942
	Total Delhi	2917	977	873	22.61	942
HP	Baspa HPS (IPP) (3*100)	300	328	299	7.75	323
	Malana HPS (IPP) (2*43)	86	96	98	2.36	98
	Other Hydro	878	421	404	10.16	423
	Total HP	1264	845	801	20.28	845
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	23015	21581	525.30	21888
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7579	8025	174.09	7254
Total Regional Availability(Gross)		72856	51103	47286	1126.40	46933
IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11243	9347	233.58	9733
State Control Area Hydro		7106	3972	3774	94	3910
Total Regional Hydro		19340	15215	13121	327.41	13642

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	
Vindhychal(HVDC B/B)	-100	250	250	250	2.33	1.44	0.89
765 KV Gwalior-Agra (D/C)	2544	2657	3414	0	58.54	0.00	58.54
400 KV Zerda-Kankroli	-219	-190	0	429	0.00	7.05	-7.05
400 KV Zerda-Bhinmal	-172	-137	0	406	0.00	4.73	-4.73
220 KV Auraiya-Malanpur	15	41	42	0	0.45	0.00	0.45
220 KV Badod-Kota/Morak	-84	-32	42	173	0.00	1.21	-1.21
Mundra-Mohindergarh(HVDC Bipole)	2498	2093	2507	0.00	49.40	0.00	49.40
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	812	934	1266	385	21.03	0.00	21.03
Sub Total WR	5294	5616			131.74	14.44	117.30
Pusauli Bypass/HVDC	200	200	200	0	4.70	0.00	4.70
400 KV MZP- GKP (D/C)	73	223	325	0	4.95	0.00	4.95
400 KV Patna-Balia(D/C) X 2	644	589	870	0	15.40	0.00	15.40
400 KV B'Sharif-Balia (D/C)	59	73	225	0	2.25	0.00	2.25
765 KV Gaya-Balia	225	225	331	0	2.73	0.00	2.73
765 KV Gaya-Varanasi (D/C)	185	174	377	0	4.71	0.00	4.71
220 KV Pusauli-Sahupuri	169	205	213	0	4.57	0.00	4.57
132 KV K'nasa-Sahupuri	-28	-42	0	42	0.00	0.62	-0.62
132 KV Son Ngr-Rihand	-20	-33	0	40	0.00	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-197	-214	13	254	0.00	3.79	-3.79
400 KV Barh -GKP (D/C)	490	524	544	0	10.98	0.00	10.98
400 kV B'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.00	0.00
Sub Total ER	1800	1924			50.29	4.95	45.34
+/- 800 KV BiswanathCharialli-Agra	485	485	488	0.00	11.45	0.00	11.45
Sub Total NER	485	485			11.45	0.00	11.45
Total IR Exch	7579	8025			193.48	19.40	174.09

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
34.78	2.79	37.57	8.66	29.27	12.36	2.59	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
58.60	118.90	177.50	56.79	117.30	174.09	-1.81	-1.60	-3.41

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	-26	-25	0	32	0	1	-0.62

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	4.57	49.27	79.66	13.76	2.11	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)		
50.17	19.02	49.81	14.15	50.00	0.029	0.054	50.17	49.95	20.34

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	407	10:55	402	14:07	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	8:02	394	22:13	0.0	0.0	2.6	0.0	2.6
Bareilly(PG)400kV	400	416	5:34	388	15:37	0.0	1.7	0.0	0.0	0.0
Kanpur	400	421	5:37	398	14:30	0.0	0.0	0.1	0.0	0.1
Dadri	400	419	5:32	396	16:34	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	427	5:38	397	15:51	0.0	0.0	23.2	0.0	23.2
Bawana	400	420	5:32	394	14:32	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	5:02	390	14:37	0.0	0.0	9.2	0.0	9.2
Hissar	400	418	5:37	391	14:37	0.0	0.0	0.0	0.0	0.0
Moga	400	415	4:16	394	14:28	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	416	5:30	394	14:37	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	421	5:02	400	14:48	0.0	0.0	0.9	0.0	0.9
Kishenpur	400	411	4:20	394	20:28	0.0	0.0	0.0	0.0	0.0
Wagoora	400	409	5:59	382	20:41	0.0	12.2	0.0	0.0	0.0
Amritsar	400	419	3:49	400	16:17	0.0	0.0	0.0	0.0	0.0
Kashipur	400	419	5:31	404	15:32	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	417	5:48	398	14:50	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	433	5:31	392	15:36	0.0	0.0	15.7	4.3	15.7

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	797	5:32	741	22:13	0.0	0.1	0.0	0.0	0.0
Balia	765	787	8:03	736	22:42	0.0	6.5	0.0	0.0	0.0
Moga	765	777	11:07	758	14:11	0.0	0.0	0.0	0.0	0.0
Agra	765	802	5:34	748	22:33	0.0	0.0	0.6	0.0	0.6
Bhiwani	765	802	4:11	759	15:42	0.0	0.0	7.3	0.0	7.3
Unnao	765	780	12:28	725	22:39	5.3	23.4	0.0	0.0	5.3
Lucknow	765	798	8:03	746	22:34	0.0	0.0	0.0	0.0	0.0
Meerut	765	816	5:38	759	15:50	0.0	0.0	22.1	0.0	22.1
Jhatikara	765	796	5:31	747	14:30	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	796	5:36	754	14:30	0.0	0.0	0.0	0.0	0.0
Phagi	765	801	5:32	745	14:34	0.0	0.0	1.4	0.0	1.4

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 ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	479.79	454.47	488.40	680.71	1084.28	960.87
Pong	426.72	384.05	391.57	76.21	406.13	370.28	411.10	159.11
Tehri	829.79	740.04	753.30	70.05	748.40	39.27	437.98	230.00
Koteshwar	612.50	598.50	609.92	4.53	610.10	4.69	230.00	218.40
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	248.56	283.75
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	503.45	6.53	522.79	10.72	244.36	294.34

* 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	1044	644	0	1035	817	0	26.11	16.38	42.49
Delhi	332	7	0	676	-61	0	15.39	0.31	15.70
Haryana	1291	314	0	1166	294	0	28.17	7.19	35.36
HP	-1129	-309	0	-877	-464	0	-23.04	-8.74	-31.78
J&K	-622	74	0	-571	60	0	-16.72	0.39	-16.33
CHD	0	10	0	0	0	0	0.35	0.37	0.72
Rajasthan	-413	505	0	-413	222	0	-9.91	11.48	1.57
UP	1270	0	0	1213	0	0	27.89	0.00	27.89
Uttarakhand	44	69	0	46	150	0	1.06	1.85	2.91
Total	1817	1315	0	2274	1019	0	49.30	29.24	78.53

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1349	761	928	520	0	0
Delhi	814	332	257	-285	0	0
Haryana	1326	1073	351	104	0	0
HP	-873	-1131	-277	-540	0	0
J&K	-571	-924	74	-50	0	0
CHD	44	0	39	0	0	0
Rajasthan	-413	-413	507	151	0	0
UP	1391	1033	0	0	0	0
Uttarakhand	46	43	157	3	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	7.64%
ER	0.00%
Simultaneous	15.63%

(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:

0.00

XIV. Weather Conditions For 28.06.2016 :

XV. Synchronisation of new generating units :

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

- 765/400kV, 1500MVA ICT-2 @ Kanpur first time charged on no-load at 2047Hrs of 28.06.2016
2. 240MVAR B/R-2 at 765kV Kanpur first time charged at 0007Hrs of 29.06.2016

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.