

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 28.05.2016
Date of Reporting : 29.05.2016



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
39585	255	39840	50.08	43440	1389	44829	50.03	992.1	8.36

*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 * (MU)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	62.89	9.47		72.36	76.46	76.91	0.46	149.27	0.00
Haryana	38.55	0.43		38.98	102.36	96.99	-5.37	135.97	0.00
Rajasthan	117.20	0.00	39.92	157.13	55.19	55.57	0.38	212.69	0.00
Delhi	22.02			22.02	90.92	89.48	-1.44	111.50	0.84
UP	131.76	16.00		147.76	138.24	137.21	-1.03	284.97	0.00
Uttarakhand		11.63		11.63	22.71	21.20	-1.51	32.83	0.00
HP		15.37		15.37	9.50	8.72	-0.78	24.10	0.12
J & K		20.72	0.00	20.72	16.46	14.38	-2.09	35.10	7.40
Chandigarh				0.00	5.56	5.73	0.27	5.73	0.00
Total	372.43	73.62	39.92	485.97	517.38	506.18	-11.10	992.15	8.36

* 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	6031	0	-424	-150	6172	0	-43	77	6729	16:00	0
Haryana	6092	0	-644	398	6503	0	71	547	6851	1:00	0
Rajasthan	8183	0	169	-80	9151	0	-20	-240	9599	1:00	0
Delhi	4481	3	-206	558	5052	0	93	590	5500	1:00	0
UP	12613	0	67	1032	12336	1140	118	983	12873	16:00	430
Uttarakhand	444	0	-497	323	1621	0	24	227	1710	17:00	0
HP	708	43	-434	-856	965	0	-34	-775	1270	11:00	0
J&K	836	209	-651	-631	1409	249	-92	-709	1840	22:00	460
Chandigarh	198	0	-8	0	232	0	6	0	318	12:00	0
Total	39585	255	-2628	592	43440	1389	121	699	45287	1:00	1195

\$ 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	1900	1787	2066	44.04	1835	43.35		0.68
Rihand I STPS (2*500)	1000	400	324	443	8.89	371	8.81		0.08
Rihand II STPS (2*500)	1000	952	902	1033	21.53	897	21.32		0.22
Rihand III STPS (2*500)	1000	952	728	1001	20.90	871	21.35		-0.46
Dadri I STPS (4*210)	840	805	327	341	7.40	308	7.52		-0.12
Dadri II STPS (2*490)	980	960	732	780	17.61	734	18.60		-0.99
Unchahar I TPS (2*210)	420	267	342	342	7.22	301	7.62		-0.40
Unchahar II TPS (2*210)	420	400	296	396	8.01	334	8.53		-0.53
Unchahar III TPS (1*210)	210	200	140	193	3.86	161	4.22		-0.37
ISTPP (Jhajjar) (3*500)	1500	1425	634	979	17.84	744	18.21		-0.36
Dadri GPS (4*130.19+2*154.51)	830	779	237	273	7.42	309	7.51		-0.10
Anta GPS (3*88.71+1*153.2)	419	389	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	623	139	134	3.18	132	3.34		-0.16
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.04		0.00
Singrauli Solar(15)	15	3	0	0	0.06	3	0.08		-0.01
KHEP(4*200)	800	872	872	210	10.07	420	10.00		0.07
Sub Total (A)	12112	11012	7385	8191	178	7420	181		-2.44
B. NPC									
NAPS (2*220)	440	392	421	430	9.32	388	9.41		-0.09
RAPS- B (2*220)	440	366	406	414	8.70	363	8.78		-0.08
RAPS- C (2*220)	440	210	221	220	4.50	187	5.04		-0.54
Sub Total (B)	1320	968	1048	1064	22.52	938	23.23		-0.71
C. NHPC									
Chamera I HPS (3*180)	540	540	546	38	3.93	164	3.93		0.00
Chamera II HPS (3*100)	300	300	307	191	7.21	300	6.97		0.24
Chamera III HPS (3*77)	231	209	224	225	4.95	206	4.92		0.03
Bairasuli HPS(3*60)	180	179	184	0	2.22	92	2.22		0.00
Salal-HPS (6*115)	690	634	650	658	15.69	654	15.19		0.50
Tanakpur-HPS (3*31.4)	94	25	26	29	0.69	29	0.64		0.06
Uri-I HPS (4*120)	480	475	471	470	11.42	476	11.40		0.02
Uri-II HPS (4*60)	240	224	237	181	5.46	227	5.39		0.06
Dhauliganga-HPS (4*70)	280	210	217	74	3.66	152	3.49		0.17
Dulhasti-HPS (3*130)	390	387	390	400	9.48	395	9.29		0.19
Sewa-II HPS (3*40)	120	119	63	0	1.26	52	1.25		0.01
Parbati 3 (4*130)	520	260	266	131	1.90	79	1.87		0.04
Sub Total (C)	4065	3563	3582	2397	68	2828	67		1.31
D. SJVNL									
NJPC (6*250)	1500	1605	1611	1185	31.71	1321	31.69		0.02
Rampur HEP (6*68.67)	412	442	418	325	8.99	375	8.81		0.18
Sub Total (D)	1912	2047	2029	1510	40.70	1696	40.50		0.20
E. THDC									
Tehri HPS (4*250)	1000	262	0	258	4.52	188	4.55		-0.02
Koteshwar HPS (4*100)	400	100	0	92	1.73	72	1.68		0.05
Sub Total (E)	1400	363	0	350	6.25	260	6.22		0.03
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	617	1186	376	14.91	621	14.81		0.10
Dehar HPS (6*165)	990	526	660	495	12.40	517	12.62		-0.22
Pong HPS (6*66)	396	84	196	49	1.98	82	2.02		-0.05
Sub Total (F)	2765	1227	2042	920	29.28	1220	29.45		-0.17
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	109	86	2.07	86	2.11		-0.04
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	805	740	18.52	772	18.34		0.18
Malana Stg-II HPS (2*50)	100	0	35	50	1.05	44	0.99		0.06
Shree Cement TPS (2*150)	300	0	289	288	6.39	266	6.39		0.00
Budhil HPS(IPP) (2*35)	70	0	45	69	1.26	53	1.65		-0.39
Sub Total (G)	1662	0	1283	1234	29.30	1221	29.48		-0.19
H. Total Regional Entities (A-G)	25237	19180	17369	15666	373.99	15583	375.95		-1.96

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	320	370	7.74	323
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	120	2.45	102
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	389	464	9.74	406
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	29.40	1225
	Talwandi Saboo (3*660)	1980	614	614	13.59	566
	Thermal (Total)	6560	2743	2888	62.89	2620
	Total Hydro	1000	188	446	9.47	395
Total Punjab	7560	2931	3334	72.36	3015	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	229	235	4.83	201
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	162	159	3.68	153
	RGTPP (Khedar) (IPP) (2*600)	1200	381	370	9.07	378
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	827	835	20.97	874
	Thermal (Total)	4944	1599	1599	38.55	1606
	Total Hydro	62	10	28	0.43	18
	Total Haryana	5006	1609	1627	38.98	1624
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	811	823	19.75
suratgarh TPS (6*250)		1500	190	197	4.74	197
Chabra TPS (4*250)		1000	558	651	14.42	601
Dholpur GPS (3*110)		330	99	97	2.44	102
Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	188	160	4.15	173
RAPS A (NPC) (1*100+1*200)		300	122	153	3.35	140
Barsingsar (NLC) (2*125)		250	81	82	1.83	76
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwst LTPS (IPP) (8*135)		1080	458	837	17.37	724
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	810	1084	21.39	891
Kawai(Adani) (2*660)		1320	903	1235	27.77	1157
Thermal (Total)		8876	4220	5319	117	4884
Total Hydro		550	0	0	0.00	0
Wind power		3214	1696	1518	36.52	1522
Biomass		99	32	32	0.77	32
Solar		730	0	0	2.63	110
Renewable/Others (Total)		4043	1728	1550	39.92	1663
Total Rajasthan		13469	5948	6869	157.13	6547
UP		Anpara TPS (3*210+2*500)	1630	1414	1406	33.30
	Obra TPS (2*50+2*94+5*200)	1194	564	432	11.10	463
	Paricha TPS (2*110+2*220+2*250)	1160	950	851	20.50	854
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaqanj TPS (1*60+1*105+2*250)	665	444	450	10.40	433
	Tanda TPS (NTPC) (4*110)	440	389	385	9.04	377
	Roza TPS (IPP) (4*300)	1200	293	275	7.09	295
	Anpara-C (IPP) (2*600)	1200	1080	995	24.62	1026
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	81	0	1.06	44
	Anpara-D(2*500)	1000	0	0	0.00	0
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	529	495	12.27	511
	Thermal (Total)	12449	5744	5289	129	5390
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.32	430
	Alaknanda(4*82.5)	330	84	170	3.53	147
	Other Hydro	527	27	185	2.16	90
	Cogeneration	981	100	100	2.40	100
Total UP	14727	6390	6179	148	6157	
Uttarakhand	Total Hydro	1398	559	630	11.63	484
	Total Uttarakhand	1398	559	630	11.63	484
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	93	97	2.41	100
	Pragati Gas Turbine (2x104+ 1x122)	330	269	269	6.49	270
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	255	255	6.08	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	326	7.05	294
	Thermal (Total)	2917	942	947	22.02	918
	Total Delhi	2917	942	947	22.02	918
HP	Baspa HPS (IPP) (3*100)	300	202	333	6.08	253
	Malana HPS (IPP) (2*43)	86	14	43	0.91	38
	Other Hydro	878	372	357	8.38	349
	Total HP	1264	588	733	15.37	641
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	734	734	17.17	716
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	884	882	20.72	863
Total State Control Area Generation		47841	19851	21201	485.97	20249
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			1621	1534	152.16	6340
Total Regional Availability(Gross)		73078	38841	38401	1012.12	42172

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9474	6263	175.80	7325
State Control Area Hydro	6881	2775	3509	74	3068
Total Regional Hydro	19115	12249	9772	249.43	10393

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	100	100	250	250	2.15	0.70	1.45
765 KV Gwalior-Agra (D/C)	-1657	-2683	3076	0	53.37	0.00	53.37
400 KV Zerda-Kankroli	-170	-143	0	302	0.00	4.89	-4.89
400 KV Zerda-Bhinmal	-158	-134	0	288	0.00	4.28	-4.28
220 KV Auraiya-Malanpur	-38	-14	0	125	0.00	0.67	-0.67
220 KV Badod-Kota/Morak	-34	21	92	60	0.21	0.00	0.21
Mundra-Mohinderghar(HVDC Bipole)	2198	2497	2506	0	57.73	0.00	57.73
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	175	155	369	87	5.48	0.00	5.48
Sub Total WR	416	-201			118.94	10.54	108.40
Pusauli Bypass/HVDC	400	400	400	0	9.02	0.00	9.02
400 KV MZP- GKP (D/C)	110	272	464	168	5.02	0.00	5.02
400 KV Patna-Balia(D/C) X 2	437	510	793	0	11.45	0.00	11.45
400 KV B'Sharif-Balia (D/C)	0	126	132	20	1.71	0.00	1.71
765 KV Gaya-Balia	141	253	253	0	2.35	0.00	2.35
765 KV Gaya-Varanasi (D/C)	-72	-159	200	82	2.34	0.00	2.34
220 KV Pusauli-Sahupuri	154	142	195	0	3.78	0.00	3.78
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.39	-0.39
132 KV Son Ngr-Rihand	-14	-20	0	44	0.00	0.66	-0.66
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-219	-104	0	387	0.00	3.75	-3.75
400 KV Barh -GKP (D/C)	390	436	484	0	9.17	0.00	9.17
400 kV B'Sharif - Varanasi (D/C)	-122	-121	5	187	0.00	2.06	-2.06
Sub Total ER	1205	1735			44.82	6.85	37.97
+/- 800 KV BiswanathCharialli-Agra	0	0	500	0	5.80	0.00	5.80
Sub Total NER	0	0			5.80	0.00	5.80
Total IR Exch	1621	1534			169.56	17.39	152.16

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
40.36	1.09	41.45	-2.22	1.44	0.00	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
39.22	121.58	160.81	43.77	108.40	152.16	4.54	-13.19	-8.65

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-27	-32	0	33	0	1	-0.60

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	0.03	10.84	52.15	64.22	18.23	6.74	0.01	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)		
50.20	21.58	49.79	13.41	49.99	0.053	0.073	0.00	0.00	35.78

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	416	4:01	402	15:42	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	427	4:00	397	22:09	0.0	0.0	26.1	0.0	26.1
Bareilly(PG)400kV	400	420	3:58	387	14:33	0.0	1.3	0.0	0.0	0.0
Kanpur	400	428	3:58	397	19:42	0.0	0.0	27.6	0.0	27.6
Dadri	400	424	6:00	397	15:43	0.0	0.0	13.7	0.0	13.7
Ballabgarh	400	429	4:23	398	15:43	0.0	0.0	35.7	0.0	35.7
Bawana	400	425	6:03	398	15:45	0.0	0.0	15.9	0.0	15.9
Bassi	400	428	4:00	393	15:47	0.0	0.0	22.9	0.0	22.9
Hissar	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Moga	400	419	4:30	395	15:47	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	6:00	404	14:25	0.0	0.0	23.7	0.0	23.7
Nalagarh	400	428	4:52	403	15:54	0.0	0.0	22.3	0.0	22.3
Kishenpur	400	418	5:01	398	19:49	0.0	0.0	0.0	0.0	0.0
Wagoora	400	416	4:17	379	19:21	1.2	19.4	0.0	0.0	1.2
Amritsar	400	430	5:07	402	15:47	0.0	0.0	20.3	0.0	20.3
Kashipur	400	420	4:22	406	14:44	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	418	3:22	400	15:55	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	414	7:50	376	11:32	1.6	30.9	0.0	0.0	1.6

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	783	4:16	735	19:50	0.0	4.2	0.0	0.0	0.0
Balia	765	795	4:00	744	22:08	0.0	0.0	0.0	0.0	0.0
Moga	765	797	4:30	758	15:46	0.0	0.0	0.0	0.0	0.0
Agra	765	794	0:28	746	19:51	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	4:18	759	15:49	0.0	0.0	5.7	0.0	5.7
Unnao	765	783	4:00	729	22:08	0.0	32.7	0.0	0.0	0.0
Lucknow	765	800	4:00	745	15:52	0.0	0.0	0.0	0.0	0.0
Meerut	765	798	4:23	754	11:24	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	794	4:16	670	15:35	1.0	1.0	0.0	0.0	1.0
Bareilly 765 kV	765	793	4:00	735	15:52	0.0	8.4	0.0	0.0	0.0
Anta	765	799	2:23	752	19:45	23.8	23.8	0.0	0.0	23.8
Phagi	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0

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	477.72	407.63	487.84	661.49	562.88	510.01
Pong	426.72	384.05	391.45	72.04	405.72	361.16	62.52	169.14
Tehri	829.79	740.04	741.95	9.37	752.95	70.05	140.89	174.00
Koteshwar	612.50	598.50	607.30	3.34	606.70	3.32	174.00	113.80
Chamera-I	760.00	748.75	753.16	0.00	0.00	0.00	238.89	109.59
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	504.05	2.91	521.90	10.73	248.89	151.13

* 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	-28	105	0	-229	79	0	-1.47	3.52	2.05
Delhi	482	108	0	550	8	0	12.33	1.87	14.21
Haryana	248	299	0	155	243	0	4.48	2.00	6.48
HP	-543	-232	0	-340	-517	0	-9.78	-8.40	-18.18
J&K	-680	-29	0	-602	-29	0	-15.01	-0.58	-15.59
CHD	0	0	0	0	0	0	0.35	0.09	0.45
Rajasthan	-413	173	0	-413	334	0	-9.92	8.91	-1.02
UP	983	0	0	1032	0	0	23.44	0.00	23.44
Uttarakhand	58	169	0	58	265	0	1.39	5.50	6.89
Total	106	593	0	210	382	0	5.82	12.91	18.73

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-28	-229	241	72	0	0
Delhi	554	432	435	-187	0	0
Haryana	342	87	300	-362	0	0
HP	-340	-543	-203	-568	0	0
J&K	-529	-753	-14	-29	0	0
CHD	44	0	30	0	0	0
Rajasthan	-413	-413	510	-75	0	0
UP	1098	872	0	0	0	0
Uttarakhand	58	58	325	151	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	0.69%
ER	0.00%
Simultaneous	8.33%

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

WR	13.19%
ER	0.00%
Simultaneous	40.63%

(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:

XIV. Weather Conditions For 28.05.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / substation :
01)765 kV Ania Bus-I Ist time charged at 1709 hrs on date 28.05.2016
02)Converter transformer of Agra-BNC-Pole -II Ist time charged at 1723 hrs on date 28.05.2016.

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.