

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारदर्शिता की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.07.2016
Date of Reporting : 30.07.2016



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
44961	820	45781	50.05	42975	257	43232	50.03	1022.5	8.76

* 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	77.70	14.71		92.40	134.09	133.61	-0.47	226.01	0.00
Haryana	22.69	0.89		23.57	137.45	134.85	-2.60	158.42	0.00
Rajasthan	86.93	0.63	11.88	99.44	60.25	62.16	1.91	161.60	0.00
Delhi	21.39			21.39	77.70	75.45	-2.24	96.84	0.01
UP	105.93	20.06		125.99	152.53	151.41	-1.11	277.40	0.00
Uttarakhand		22.00		22.00	14.86	13.90	-0.96	35.90	0.00
HP		23.88		23.88	0.03	2.16	2.12	26.04	0.05
J & K		22.48	0.00	22.48	15.23	12.33	-2.90	34.81	8.70
Chandigarh				0.00	6.58	5.48	-1.10	5.48	0.00
Total	314.62	104.64	11.88	431.14	598.71	591.36	-7.35	1022.50	8.76

* 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	9896	0	-46	1568	8344	0	-38	1801	9933	11:00	0
Haryana	7032	0	-148	2028	6819	0	-127	2269	7816	21:00	0
Rajasthan	6981	0	-27	170	6737	0	65	210	7315	21:00	0
Delhi	4163	0	-21	359	3855	0	41	260	4561	16:00	0
UP	11958	400	3	799	13426	0	0	1428	13474	1:00	0
Uttarakhand	1727	0	-83	-41	1411	0	-57	-225	1727	20:00	0
HP	1073	0	80	-1558	948	0	106	-1673	1252	10:00	0
J&K	1880	420	-7	-668	1238	257	-246	-1106	1929	21:00	432
Chandigarh	251	0	-45	0	197	0	-39	0	269	15:00	0
Total	44961	820	-294	2656	42975	257	-294	2964	46264	21:00	432

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

Diversity is: 1.04

III. Regional Entities :

Station/ Constituent	Inst. Capacity	Declared	Peak MW	Off Peak MW	Energy	Average	Schedule	UI
	(Effective) MW	Capacity(MW)	(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1881	2015	1886	41.18	1716	40.89	0.28
Rihand I STPS (2*500)	1000	581	822	86	11.39	474	10.94	0.45
Rihand II STPS (2*500)	1000	962	876	650	17.18	716	17.58	-0.40
Rihand III STPS (2*500)	1000	962	947	608	17.37	724	18.60	-1.23
Dadri I STPS (4*210)	840	805	317	312	6.87	286	7.08	-0.21
Dadri II STPS (2*490)	980	960	772	647	15.89	662	16.65	-0.76
Unchahar I TPS (2*210)	420	350	285	290	5.97	249	6.24	-0.27
Unchahar II TPS (2*210)	420	400	305	311	6.23	259	7.01	-0.79
Unchahar III TPS (1*210)	210	200	155	141	3.20	133	3.40	-0.20
ISTPP (Jhajjar) (3*500)	1500	1425	597	612	13.58	566	13.79	-0.22
Dadri GPS (4*130.19+2*154.51)	830	792	150	149	3.51	146	3.46	0.05
Anta GPS (3*88.71+1*153.2)	419	400	42	0	0.52	22	0.63	-0.11
Auraiya GPS (4*111.19+2*109.30)	663	633	133	134	3.12	130	3.13	-0.01
Dadri Solar(5)	5	1	0	0	0.01	0	0.01	0.00
Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	-0.01
Singrauli Solar(15)	15	2	0	0	0.05	2	0.04	0.01
KHEP(4*200)	800	855	853	850	20.54	856	20.52	0.02
Sub Total (A)	12112	11209	8269	6676	167	6942	170	-3.40
B. NPC								
NAPS (2*220)	440	390	425	429	9.36	390	9.36	0.00
RAPS- B (2*220)	440	181	204	204	4.25	177	4.34	-0.09
RAPS- C (2*220)	440	410	410	410	9.60	400	9.84	-0.24
Sub Total (B)	1320	981	1039	1043	23.21	967	23.54	-0.33
C. NHPC								
Chamera I HPS (3*180)	540	540	543	535	13.04	543	12.96	0.08
Chamera II HPS (3*100)	300	301	309	302	7.25	302	7.22	0.04
Chamera III HPS (3*77)	231	229	230	228	5.51	229	5.50	0.01
Bairasuli HPS(3*60)	180	180	185	61	3.31	138	3.27	0.04
Salal-HPS (6*115)	690	662	675	675	16.29	679	15.88	0.40
Tanakpur-HPS (3*31.4)	94	89	96	96	2.25	94	2.11	0.14
Uri-I HPS (4*120)	480	417	401	438	10.23	426	9.95	0.28
Uri-II HPS (4*60)	240	229	239	174	5.50	229	5.47	0.04
Dhauliganga-HPS (4*70)	280	270	280	0	6.09	254	6.48	-0.39
Dulhasti-HPS (3*130)	390	373	395	249	8.83	368	8.92	-0.09
Sewa-II HPS (3*40)	120	119	128	113	2.94	123	2.86	0.08
Parbati 3 (4*130)	520	520	524	0	3.36	140	3.31	0.05
Sub Total (C)	4065	3929	4004	2871	85	3525	84	0.68
D. SJVNL								
NJPC (6*250)	1500	1605	1606	1592	38.37	1599	38.52	-0.15
Rampur HEP (6*68.67)	412	442	445	428	10.61	442	10.61	0.00
Sub Total (D)	1912	2047	2051	2020	48.98	2041	49.13	-0.15
E. THDC								
Tehri HPS (4*250)	1000	864	845	833	20.31	846	20.47	-0.16
Koteshwar HPS (4*100)	400	321	403	274	7.55	315	7.58	-0.03
Sub Total (E)	1400	1185	1248	1107	27.86	1161	28.04	-0.19
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	990	1323	916	23.74	989	23.76	-0.02
Dehar HPS (6*165)	990	608	825	560	14.63	610	14.59	0.04
Pong HPS (6*66)	396	93	180	60	2.22	92	2.22	-0.01
Sub Total (F)	2765	1690	2328	1536	40.59	1691	40.57	0.02
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	226	163	4.28	178	3.84	0.44
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	25.93	1080	26.08	-0.15
Malana Stg-II HPS (2*50)	100	0	112	113	2.65	111	2.50	0.15
Shree Cement TPS (2*150)	300	0	238	251	5.95	248	6.03	-0.08
Budhil HPS(IPP) (2*35)	70	0	36	36	1.67	70	1.54	0.13
Sub Total (G)	1662	0	1713	1662	40.48	1687	39.99	0.48
H. Total Regional Entities (A-G)	25237	21042	20652	16914	432.34	18014	435.21	-2.88

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	800	690	15.41	642
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.98	83
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	417	386	8.69	362
	Goindwal(GVK) (2*270)	540	246	246	5.88	245
	Rajpura (2*700)	1400	1320	660	26.08	1087
	Talwandi Saboo (3*660)	1980	1050	616	19.66	819
	Thermal (Total)	6560	3923	2688	77.70	3237
	Total Hydro	1000	610	602	14.71	613
	Total Punjab	7560	4533	3290	92.40	3850
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	483	463	10.91	454
Faridabad GPS (NTPC)(2*137.75+1*156)		432	309	302	7.26	302
RGTPP (khedar) (IPP) (2*600)		1200	0	395	4.52	188
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	792	1160	22.69	945
Total Hydro		62	35	37	0.89	37
Total Haryana		4559	827	1197	23.57	982
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	868	663	16.62
	suratgarh TPS (6*250)	1500	181	548	8.74	364
	Chabra TPS (4*250)	1000	578	560	13.47	561
	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	155	156	4.00	167
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	538	529	12.48	520
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	403	400	9.74	406
	Kawai(Adani) (2*660)	1320	896	875	21.90	912
	Thermal (Total)	8876	3619	3731	87	3622
	Total Hydro	550	0	0	0.63	26
	Wind power	3214	597	506	11.53	480
	Biomass	99	14	14	0.35	14
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	611	520	11.88	495
	Total Rajasthan	13469	4230	4251	99.44	4143
	UP	Anpara TPS (3*210+2*500)	1630	1285	1265	29.66
Obra TPS (2*50+2*94+5*200)		1194	254	257	6.09	254
Paricha TPS (2*110+2*220+2*250)		1160	569	734	14.40	600
Panki TPS (2*105)		210	135	63	2.48	103
Harduaganj TPS (1*60+1*105+2*250)		665	419	517	10.02	418
Tanda TPS (NTPC) (4*110)		440	270	260	5.69	237
Roza TPS (IPP) (4*300)		1200	815	842	16.07	670
Anpara-C (IPP) (2*600)		1200	954	1071	16.07	670
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	171	242	4.25	177
Anpara-D(2*500)		1000	0	0	0.00	0
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		12449	4872	5251	105	4364
Vishnuparyag HPS (IPP)(4*110)		440	326	326	9.62	401
Alaknanda(4*82.5)		330	341	330	8.10	337
Other Hydro		527	89	168	2.35	98
Cogeneration		981	50	50	1.20	50
Total UP		14727	5678	6125	126	5249
Uttarakhand		Total Hydro	1398	923	944	22.00
	Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	923	944	22	917
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	75	74	1.80	75
	Pragati Gas Turbine (2x104+ 1x122)	330	263	263	6.43	268
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	253	6.20	258
	Badarpur TPS (NTPC) (3*95+2*210)	705	320	320	6.97	291
	Thermal (Total)	2917	912	910	21.39	891
	Total Delhi	2917	912	910	21.39	891
HP	Baspa HPS (IPP) (3*100)	300	330	330	7.66	319
	Malana HPS (IPP) (2*43)	86	101	103	2.40	100
	Other Hydro	878	567	570	13.82	576
	Total HP	1264	998	1003	23.88	995
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	Other Hydro/IPP	560	207	210	4.89	204
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	940	943	22.48	937
Total State Control Area Generation		47619	19041	18663	431.14	17964
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7999	7821	177.41	7392
Total Regional Availability(Gross)		72856	47692	43398	1040.89	43370

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11923	9759	255.43	10643
State Control Area Hydro		7106	4262	4353	104.64	4360
Total Regional Hydro		19340	16185	14112	360.08	15003

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	
Vindhyachal(HVDC B/B)	-500	50	50	500	0.31	4.83	-4.53
765 KV Gwalior-Agra (D/C)	2531	2210	2708	0	48.73	0.00	48.73
400 KV Zerda-Kankroli	81	104	104	74	0.79	0.00	0.79
400 KV Zerda-Bhinmal	86	120	196	39	1.85	0.00	1.85
220 KV Auraiya-Malanpur	-13	-21	0	72	0.00	0.63	-0.63
220 KV Badod-Kota/Morak	38	100	192	0	1.98	0.00	1.98
Mundra-Mohindergarh(HVDC Bipole)	1999	1602	2505	0.00	45.20	0.00	45.20
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	883	743	1068	0	18.88	0.00	18.88
Sub Total WR	5105	4908			117.73	5.46	112.27
Pusauli Bypass/HVDC	-113	-126	0	126	0.00	2.01	-2.01
400 KV MZP- GKP (D/C)	202	398	564	0	9.62	0.00	9.62
400 KV Patna-Balia(D/C) X 2	515	543	580	0	10.61	0.00	10.61
400 KV B'Sharif-Balia (D/C)	122	204	305	0	5.10	0.00	5.10
765 KV Gaya-Balia	285	309	331	0	3.39	0.00	3.39
765 KV Gaya-Varanasi (D/C)	555	496	544	0	2.78	0.00	2.78
220 KV Pusauli-Sahupuri	212	114	226	0	2.43	0.00	2.43
132 KV K'nasa-Sahupuri	0	-22	0	32	0.00	0.22	-0.22
132 KV Son Ngr-Rihand	-23	-34	0	34	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	52	8	151	14	1.74	0.00	1.74
400 KV Barh -GKP (D/C)	482	448	508	0	9.80	0.00	9.80
400 kV B'Sharif - Varanasi (D/C)	105	75	189	0	10.85	0.00	10.85
Sub Total ER	2394	2413			56.30	2.77	53.53
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0.00	11.61	0.00	11.61
Sub Total NER	500	500			11.61	0.00	11.61
Total IR Exch	7999	7821			185.64	8.23	177.41

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
33.79	3.31	37.10	11.33	17.52	11.33	1.82	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
59.77	125.18	184.95	65.14	112.27	177.41	5.37	-12.91	-7.54

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	-31	-19	0	31	0	1	-0.59

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	0.17	27.18	65.53	26.77	7.65	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	13.04	49.89	19.10	50.03	0.032	0.047	50.20	50.06	34.47

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	413	3:32	403	19:39	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	424	6:05	405	21:32	0.0	0.0	8.6	0.0	8.6
Bareilly(PG)400kV	400	421	6:08	406	19:52	0.0	0.0	0.4	0.0	0.4
Kanpur	400	421	6:05	405	19:54	0.0	0.0	0.1	0.0	0.1
Dadri	400	418	2:50	402	19:44	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	427	3:33	406	19:43	0.0	0.0	29.6	0.0	29.6
Bawana	400	420	2:59	402	19:43	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	3:28	401	19:43	0.0	0.0	9.9	0.0	9.9
Hissar	400	417	3:33	394	19:43	0.0	0.0	0.0	0.0	0.0
Moga	400	414	3:56	394	19:43	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	416	3:33	399	19:39	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	413	2:59	398	19:43	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	2:56	392	20:21	0.0	0.0	0.0	0.0	0.0
Amritsar	400	418	3:58	397	19:43	0.0	0.0	0.0	0.0	0.0
Kashipur	400	421	6:02	414	12:25	0.0	0.0	1.1	0.0	1.1
Hamirpur	400	414	4:51	391	15:02	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	418	6:05	400	19:55	0.0	0.0	0.0	0.0	0.0

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	791	18:01	752	21:12	0.0	0.0	0.0	0.0	0.0
Balia	765	803	6:06	763	21:35	0.0	0.0	0.9	0.0	0.9
Moga	765	803	4:00	765	19:43	0.0	0.0	6.6	0.0	6.6
Agra	765	792	3:29	751	19:45	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	2:42	767	19:40	0.0	0.0	10.3	0.0	10.3
Unnao	765	777	6:06	750	21:26	0.0	0.0	0.0	0.0	0.0
Lucknow	765	807	6:05	774	21:26	0.0	0.0	4.9	0.0	4.9
Meerut	765	812	3:33	776	19:43	0.0	0.0	33.6	0.0	33.6
Jhatikara	765	801	3:32	775	11:56	0.0	0.0	0.8	0.0	0.8
Bareilly 765 kV	765	798	6:05	768	19:55	0.0	0.0	0.0	0.0	0.0
Anta	765	793	2:39	768	19:40	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	2:39	762	19:44	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 ³ /s)	Usage (m ³ /s)
Bhakra	513.59	445.62	485.40	593.99	502.18	1192.70	903.79	818.98
Pong	426.72	384.05	401.41	252.05	415.30	693.24	601.87	156.22
Tehri	829.79	740.04	789.00	439.00	792.25	484.40	777.31	530.00
Koteswar	612.50	598.50	610.28	4.70	609.69	4.41	530.00	498.10
Chamera-I	760.00	748.75	755.49	0.00	0.00	0.00	336.84	357.07
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	507.18	6.11	522.58	9.89	634.44	276.62

* 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	1353	448	0	1208	360	0	29.87	12.96	42.83
Delhi	438	-179	0	730	-371	0	16.29	-6.62	9.67
Haryana	1932	337	0	1717	310	0	40.46	6.37	46.82
HP	-1492	-181	0	-1224	-335	0	-31.45	-5.37	-36.82
J&K	-854	-252	0	-653	-15	0	-17.85	-1.58	-19.42
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-346	557	0	-296	465	0	-5.82	12.86	7.04
UP	1037	391	0	678	122	0	16.19	4.29	20.48
Uttarakhand	-353	128	0	-347	307	0	-8.44	5.05	-3.39
Total	1715	1249	0	1814	842	0	39.59	27.96	67.55

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1375	1174	733	262	0	0
Delhi	840	438	-76	-455	0	0
Haryana	1950	1303	370	-180	0	0
HP	-1216	-1497	-40	-369	0	0
J&K	-628	-905	0	-252	0	0
CHD	44	0	0	0	0	0
Rajasthan	-194	-346	557	319	0	0
UP	1058	493	587	0	0	0
Uttarakhand	-347	-355	335	128	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:
0.00

XIV. Weather Conditions For 29.07.2016 :

XV. Synchronisation of new generating units :

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

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.