

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 23.08.2016
Date of Reporting : 24.08.2016



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
45546	2212	47757	50.01	42770	862	43632	50.01	1045.0	26.51

*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	73.16	16.43		89.59	115.12	114.47	-0.65	204.06	0.00
Haryana	34.42	0.91		35.34	140.67	139.73	-0.94	175.07	0.00
Rajasthan	75.91	6.90	9.25	92.07	72.25	72.31	0.06	164.37	6.87
Delhi	21.41			21.41	86.53	87.04	0.51	108.45	0.07
UP	108.44	25.00		133.44	153.94	155.86	1.92	289.29	10.60
Uttarakhand		19.77		21.33	15.02	17.04	2.03	38.37	0.21
HP		25.76		25.76	-0.57	-0.89	-0.32	24.87	0.00
J & K		21.97	0.00	21.97	14.79	13.12	-1.67	35.09	8.77
Chandigarh				0.00	6.20	5.41	-0.79	5.41	0.00
Total	313.34	116.74	9.25	440.89	603.94	604.09	0.15	1044.98	26.51

* 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	8884	0	97	909	7163	0	-83	1516	9220	16:00	0
Haryana	7990	0	-74	2270	7709	0	171	2349	8692	21:00	0
Rajasthan	7366	150	-163	371	6673	500	67	410	7366	20:00	150
Delhi	4649	0	-27	403	4477	0	172	174	5239	24:00	0
UP	11670	1540	-145	734	13195	100	-126	1715	13686	1:00	90
Uttarakhand	1828	75	197	-49	1438	0	60	-69	1828	20:00	75
HP	1105	0	1	-1581	876	0	10	-1674	1182	12:00	0
J&K	1788	447	108	-678	1049	262	-139	-1082	1788	20:00	447
Chandigarh	266	0	-23	0	189	0	-8	0	281	15:00	0
Total	45546	2212	-28	2379	42770	862	124	3340	46563	21:00	2068

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

Diversity is: 1.06

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)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1207	1338	1418	29.81	1242	28.65		1.15
Rihand I STPS (2*500)	1000	917	979	978	21.62	901	21.31		0.31
Rihand II STPS (2*500)	1000	540	838	490	12.42	517	12.34		0.07
Rihand III STPS (2*500)	1000	546	511	822	12.91	538	12.27		0.64
Dadri I STPS (4*210)	840	805	540	416	11.99	500	12.41		-0.42
Dadri II STPS (2*490)	980	960	936	769	19.63	818	20.50		-0.86
Unchahar I TPS (2*210)	420	400	437	439	9.18	382	9.25		-0.08
Unchahar II TPS (2*210)	420	400	437	426	8.80	367	8.96		-0.16
Unchahar III TPS (1*210)	210	200	221	155	4.26	178	4.35		-0.09
ISTPP (Jhajjar) (3*500)	1500	1425	901	642	17.70	737	18.26		-0.56
Dadri GPS (4*130.19+2*154.51)	830	782	387	252	7.88	328	8.31		-0.43
Anta GPS (3*88.71+1*153.2)	419	409	0	228	1.04	43	1.01		0.03
Auraiya GPS (4*111.19+2*109.30)	663	634	153	153	3.55	148	3.66		-0.11
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	1	0	0	0.01	1	0.02		-0.01
Singrauli Solar(15)	15	1	0	0	0.00	0	0.03		-0.03
KHEP(4*200)	800	855	854	854	20.60	858	20.52		0.08
Sub Total (A)	12112	10082	8532	8042	181	7559	182		-0.46
B. NPC									
NAPS (2*220)	440	385	413	415	9.08	378	9.24		-0.16
RAPS- B (2*220)	440	178	205	205	4.25	177	4.27		-0.02
RAPS- C (2*220)	440	405	438	441	9.45	394	9.72		-0.27
Sub Total (B)	1320	968	1056	1061	22.78	949	23.23		-0.45
C. NHPC									
Chamera I HPS (3*180)	540	540	552	549	13.13	547	12.96		0.17
Chamera II HPS (3*100)	300	301	309	306	7.32	305	7.22		0.10
Chamera III HPS (3*77)	231	225	230	232	5.49	229	5.39		0.10
Bairasuli HPS(3*60)	180	179	184	60	2.33	97	2.22		0.11
Salal-HPS (6*115)	690	662	669	669	16.11	671	15.89		0.23
Tanakpur-HPS (3*31.4)	94	88	91	92	2.21	92	2.10		0.11
Uri-I HPS (4*120)	480	316	323	325	7.95	331	7.57		0.37
Uri-II HPS (4*60)	240	175	184	195	4.38	182	4.20		0.18
Dhauliganga-HPS (4*70)	280	210	219	216	5.17	216	5.04		0.13
Dulhasti-HPS (3*130)	390	383	395	395	9.30	387	9.18		0.11
Sewa-II HPS (3*40)	120	116	87	43	1.83	76	1.92		-0.09
Parbati 3 (4*130)	520	520	389	278	5.56	232	5.46		0.10
Sub Total (C)	4065	3713	3632	3359	81	3366	79		1.61
D. SJVNL									
NJPC (6*250)	1500	1605	1623	1621	37.50	1563	37.33		0.18
Rampur HEP (6*68.67)	412	442	452	451	10.43	434	10.12		0.31
Sub Total (D)	1912	2047	2075	2072	47.93	1997	47.45		0.48
E. THDC									
Tehri HPS (4*250)	1000	1060	1060	268	14.56	606	14.00		0.56
Koteshwar HPS (4*100)	400	206	394	189	5.18	216	5.11		0.07
Sub Total (E)	1400	1266	1454	457	19.73	822	19.11		0.62
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	881	1332	668	21.04	877	21.14		-0.10
Dehar HPS (6*165)	990	601	825	560	14.79	616	14.42		0.37
Pong HPS (6*66)	396	314	396	198	7.47	311	7.54		-0.07
Sub Total (F)	2765	1796	2553	1426	43.30	1804	43.10		0.21
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	229	4.70	196	3.46		1.24
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	25.70	1071	24.94		0.75
Malana Stg-II HPS (2*50)	100	0	112	112	2.66	111	2.50		0.16
Shree Cement TPS (2*150)	300	0	147	148	3.48	145	3.64		-0.15
Budhil HPS(IPP) (2*35)	70	0	75	74	1.76	73	1.75		0.00
Sub Total (G)	1662	0	1664	1664	38.30	1596	36.29		2.00
H. Total Regional Entities (A-G)	25237	19872	20965	18081	434.22	18093	430.21		4.02

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	420	320	7.88	329
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	108	90	2.05	86
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	247	193	4.52	188
	Goindwal(GVK) (2*270)	540	0	0	-0.07	-3
	Rajpura (2*700)	1400	1220	660	25.15	1048
	Talwandi Saboo (3*660)	1980	1290	1291	33.63	1401
	Thermal (Total)	6560	3285	2554	73.16	3048
	Total Hydro	1000	771	533	16.43	685
	Total Punjab	7560	4056	3087	89.59	3733
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00
DCRTPP (Yamuna nagar) (2*300)		600	566	475	11.44	477
Faridabad GPS (NTPC)(2*137.75+1*156)		432	188	170	4.13	172
RGTPP (khedar) (IPP) (2*600)		1200	0	0	0.00	0
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	938	743	18.86	786
Thermal (Total)		4497	1692	1388	34.42	1434
Total Hydro		62	40	30	0.91	38
Total Haryana		4559	1732	1418	35.34	1472
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	715	605	16.03
	suratgarh TPS (6*250)	1500	179	0	1.66	69
	Chabra TPS (4*250)	1000	227	203	5.59	233
	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	142	143	3.36	140
	RAPS A (NPC) (1*100+1*200)	300	164	164	4.07	169
	Barsingar (NLC) (2*125)	250	227	228	5.34	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	739	707	17.22	718
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	485	510	12.30	512
	Kawai(Adani) (2*660)	1320	395	451	10.35	431
	Thermal (Total)	8876	3273	3011	76	3163
	Total Hydro	550	273	235	6.90	288
	Wind power	3214	622	149	8.88	370
	Biomass	99	15	15	0.37	15
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	637	164	9.25	386
	Total Rajasthan	13469	4183	3410	92.07	3836
	UP	Anpara TPS (3*210+2*500)	1630	754	840	18.70
Obra TPS (2*50+2*94+5*200)		1194	232	225	5.40	225
Paricha TPS (2*110+2*220+2*250)		1160	798	793	19.20	800
Panki TPS (2*105)		210	140	135	3.30	138
Harduaganj TPS (1*60+1*105+2*250)		665	520	494	12.00	500
Tanda TPS (NTPC) (4*110)		440	360	365	8.80	367
Roza TPS (IPP) (4*300)		1200	1103	1113	26.50	1104
Anpara-C (IPP) (2*600)		1200	0	396	3.70	154
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	403	405	9.60	400
Anpara-D(2*500)		1000	0	0	0.00	0
Lalitpur TPS(3*660)		1980	0	0	0.04	2
Bara(2*660)		1320	0	0	0.00	0
Thermal (Total)		12449	4310	4766	107	4468
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.50	438
Alaknanda(4*82.5)		330	335	337	8.10	338
Other Hydro		527	303	268	6.40	267
Cogeneration		981	50	50	1.20	50
Total UP		14727	5433	5856	133	5560
Uttarakhand		Total Hydro	1398	838	849	19.77
	Total Gas	225	50	90	1.56	65
	Total Uttarakhand	1623	888	939	21	889
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	71	1.70	71
	Pragati Gas Turbine (2x104+ 1x122)	330	260	264	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	255	6.21	259
	Badarpur TPS (NTPC) (3*95+2*210)	705	326	324	7.13	297
	Thermal (Total)	2917	911	914	21.41	892
	Total Delhi	2917	911	914	21.41	892
HP	Baspa HPS (IPP) (3*100)	300	330	330	7.64	318
	Malana HPS (IPP) (2*43)	86	105	87	2.33	97
	Other Hydro	878	675	628	15.79	658
	Total HP	1264	1110	1045	25.76	1073
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	Other Hydro/IPP	560	184	184	4.38	182
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	917	917	21.97	915
Total State Control Area Generation		47619	19230	17586	440.89	18370
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6909	7377	189.11	7880
Total Regional Availability(Gross)		72856	47104	43044	1064.23	44343

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	12009	9610	245.39	10225
State Control Area Hydro		7106	5072	4739	118.30	4929
Total Regional Hydro		19340	17081	14349	363.69	15154

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	-500	0	500	0.00	11.52	-11.52
765 KV Gwalior-Agra (D/C)	2050	2249	2438	2	47.45	0.00	47.45
400 KV Zerda-Kankroli	48	73	92	82	0.22	0.00	0.22
400 KV Zerda-Bhinmal	48	84	167	114	0.34	0.00	0.34
220 KV Auraiya-Malanpur	-27	-16	0	66	0.00	0.34	-0.34
220 KV Badod-Kota/Morak	50	111	132	15	2.05	0.00	2.05
Mundra-Mohindergarh(HVDC Bipole)	2403	2202	2406	0.00	55.00	0.00	55.00
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	965	1030	1171	0	22.69	0.00	22.69
Sub Total WR	5037	5233			127.75	11.86	115.89
Pusauli Bypass/HVDC	250	250	250	0	6.11	0.00	6.11
400 KV MZP- GKP (D/C)	38	354	436	-76	6.93	0.00	6.93
400 KV Patna-Balia(D/C) X 2	596	533	674	0	14.40	0.00	14.40
400 KV B'Sharif-Balia (D/C)	14	129	186	0	2.45	0.00	2.45
765 KV Gaya-Balia	189	294	340	0	3.02	0.00	3.02
765 KV Gaya-Varanasi (D/C)	-378	-501	636	0	10.71	0.00	10.71
220 KV Pusauli-Sahupuri	179	140	207	0	3.92	0.00	3.92
132 KV K'nasa-Sahupuri	-30	0	0	36	0.00	0.42	-0.42
132 KV Son Ngr-Rihand	-17	-11	0	33	0.00	0.40	-0.40
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-268	-170	0	279	0.00	4.00	-4.00
400 KV Barh -GKP (D/C)	430	472	482	0	9.85	0.00	9.85
400 kV B'Sharif - Varanasi (D/C)	-31	-46	119	0	1.33	0.00	1.33
Sub Total ER	972	1444			58.72	4.82	53.90
+/- 800 KV BiswanathChariali-Agra	900	700	900	0.00	19.32	0.00	19.32
Sub Total NER	900	700			19.32	0.00	19.32
Total IR Exch	6909	7377			205.79	16.68	189.11

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
38.05	3.67	41.72	37.62	16.62	-1.02	0.96	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
78.32	125.18	203.50	73.22	115.89	189.11	-5.10	-9.29	-14.38

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	-29	-25	0	32	0	1	-0.61

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	1.78	21.46	73.72	69.90	6.93	1.74	0.02	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	18.01	49.76	9.09	49.95	0.071	50.17	0.00	30.10	

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	416	16:31	410	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	6:04	405	22:06	0.0	0.0	0.8	0.0	0.8
Bareilly(PG)400kV	400	419	6:02	400	13:49	0.0	0.0	0.0	0.0	0.0
Kanpur	400	423	6:01	407	22:10	0.0	0.0	1.9	0.0	1.9
Dadri	400	416	6:01	399	14:24	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	425	6:04	403	14:25	0.0	0.0	8.1	0.0	8.1
Bawana	400	419	6:03	400	14:22	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	6:01	404	12:20	0.0	0.0	3.0	0.0	3.0
Hissar	400	412	6:01	392	19:39	0.0	0.0	0.0	0.0	0.0
Moga	400	412	6:01	395	19:48	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	415	6:06	399	14:33	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	415	6:07	399	14:48	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	412	4:32	397	19:51	0.0	0.0	0.0	0.0	0.0
Wagoora	400	408	3:20	383	19:53	0.0	8.2	0.0	0.0	0.0
Amritsar	400	416	6:08	399	19:41	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	0:00	418	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	410	0:00	400	16:13	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	6:02	392	13:49	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	797	6:02	753	19:52	0.0	0.0	0.0	0.0	0.0
Balia	765	799	6:02	767	22:07	0.0	0.0	0.0	0.0	0.0
Moga	765	801	6:03	768	14:25	0.0	0.0	0.1	0.0	0.1
Agra	765	801	6:02	760	22:10	0.0	0.0	0.2	0.0	0.2
Bhiwani	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	782	6:02	758	0:06	0.0	0.0	0.0	0.0	0.0
Lucknow	765	798	6:02	768	22:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	6:02	769	14:24	0.0	0.0	2.7	0.0	2.7
Jhatikara	765	802	6:03	765	22:13	0.0	0.0	0.4	0.0	0.4
Bareilly 765 kV	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Anta	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Phagi	765	802	6:01	772	21:12	0.0	0.0	1.0	0.0	1.0

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	498.64	1041.47	509.97	1545.02	1046.31	653.78
Pong	426.72	384.05	415.25	680.86	422.61	1020.81	733.66	458.39
Tehri	829.79	740.04	814.35	882.26	814.95	902.26	514.92	332.00
Koteshwar	612.50	598.50	610.82	4.98	610.37	4.69	332.00	341.65
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	309.81	0.00
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	519.34	5.29	522.06	14.32	343.27	191.09

* 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	1494	23	0	886	24	0	34.75	4.01	38.76
Delhi	410	-236	0	681	-278	0	16.72	-6.02	10.70
Haryana	1969	367	13	1914	343	13	43.73	5.50	49.24
HP	-1370	-304	0	-1121	-460	0	-28.57	-7.88	-36.45
J&K	-583	-499	0	-663	-15	0	-16.18	-3.92	-20.09
CHD	0	0	0	0	0	0	0.36	0.00	0.36
Rajasthan	-129	534	4	-129	496	4	-3.08	12.60	9.51
UP	1028	687	0	734	0	0	18.61	5.85	24.45
Uttarakhand	-126	57	0	-126	77	0	-3.02	2.15	-0.87
Total	2693	630	17	2176	186	17	63.32	12.29	75.60

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1806	783	850	0	0	0
Delhi	1003	410	121	-557	0	-17
Haryana	2223	1577	385	-661	13	13
HP	-1091	-1370	-249	-564	0	0
J&K	-583	-935	-15	-513	0	0
CHD	44	0	0	0	0	0
Rajasthan	-129	-129	546	492	4	4
UP	1049	567	687	0	0	0
Uttarakhand	-126	-126	155	1	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 23.08.2016 :

XV. Synchronisation of new generating units :

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

1. 165 MVar Ac Filter - 3, Subbank Type C2 at HVDC Kurukshetra first time charged at 1720Hrs of 23.08.2016.

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.