

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पारशिष्ट की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 28.08.2016
Date of Reporting : 29.08.2016



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
42776	675	43451	50.10	42041	683	42724	50.06	986.7	11.98

*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	34.63	13.18		47.80	101.74	102.32	0.58	150.13	0.00
Haryana	21.69	1.00		22.69	132.24	129.63	-2.61	152.32	0.00
Rajasthan	75.21	7.25	11.31	93.76	65.39	64.74	-0.65	158.50	0.00
Delhi	19.71			19.71	82.30	83.17	0.86	102.87	0.00
UP	126.56	25.22		151.78	166.31	170.51	4.20	322.29	3.88
Uttarakhand		20.42		24.08	14.17	14.52	0.35	38.60	0.00
HP		26.38		26.38	-1.83	-2.05	-0.21	24.34	0.00
J & K		21.99	0.00	21.99	16.09	10.42	-5.68	32.41	8.10
Chandigarh				0.00	5.83	5.22	-0.61	5.22	0.00
Total	277.79	115.43	11.31	408.19	582.25	578.48	-3.77	986.68	11.98

* 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	6688	0	92	557	5378	0	37	1034	6800	17:00	0
Haryana	6960	0	-86	2276	7062	0	-43	2249	7406	21:00	0
Rajasthan	6621	0	129	429	7247	0	345	439	7518	1:00	0
Delhi	4387	0	-115	378	4404	0	118	40	5176	24:00	0
UP	13392	245	-172	1395	14261	450	244	1723	14512	2:00	565
Uttarakhand	1712	0	-30	-113	1594	0	61	-162	1712	20:00	0
HP	1040	0	32	-1538	952	0	1	-1693	1168	10:00	0
J&K	1722	430	-80	-399	932	233	-360	-1082	1727	21:00	432
Chandigarh	254	0	0	-20	210	0	-27	0	272	22:00	0
Total	42776	675	-231	2964	42041	683	377	2548	43876	21:00	432

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

Diversity is: 1.06

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	1513	1717	1372	33.89	1412	33.49	0.40	
Rihand I STPS (2*500)	1000	906	825	804	18.57	774	19.02	-0.45	
Rihand II STPS (2*500)	1000	963	911	813	19.39	808	19.10	0.29	
Rihand III STPS (2*500)	1000	963	940	818	19.05	794	18.90	0.15	
Dadri I STPS (4*210)	840	805	692	616	13.59	566	13.40	0.18	
Dadri II STPS (2*490)	980	960	907	764	16.97	707	18.05	-1.08	
Unchahar I TPS (2*210)	420	400	421	289	6.53	272	7.15	-0.62	
Unchahar II TPS (2*210)	420	400	433	284	6.30	262	6.92	-0.62	
Unchahar III TPS (1*210)	210	200	210	143	3.09	129	3.49	-0.40	
ISTPP (Jhajjar) (3*500)	1500	1425	1406	877	21.44	894	21.66	-0.21	
Dadri GPS (4*130.19+2*154.51)	830	793	265	360	6.49	270	6.75	-0.26	
Anta GPS (3*88.71+1*153.2)	419	361	0	0	0.00	0	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	634	149	140	3.18	133	3.20	-0.02	
Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00	
Singrauli Solar(15)	15	2	0	0	0.05	2	0.05	0.01	
KHEP(4*200)	800	855	857	856	20.65	860	20.52	0.13	
Sub Total (A)	12112	11182	9733	8136	189	7885	192	-2.51	
B. NPC									
NAPS (2*220)	440	382	412	418	9.08	379	9.17	-0.08	
RAPS- B (2*220)	440	341	205	204	3.89	162	8.19	-4.30	
RAPS- C (2*220)	440	405	435	438	9.41	392	9.72	-0.31	
Sub Total (B)	1320	1128	1052	1060	22.39	933	27.08	-4.69	
C. NHPC									
Chamera I HPS (3*180)	540	540	554	540	13.05	544	12.96	0.09	
Chamera II HPS (3*100)	300	301	310	306	7.32	305	7.22	0.10	
Chamera III HPS (3*77)	231	225	228	228	5.43	226	5.39	0.04	
Bairasuli HPS(3*60)	180	179	183	125	3.44	143	3.36	0.08	
Salal-HPS (6*115)	690	228	0	668	5.54	231	5.46	0.08	
Tanakpur-HPS (3*31.4)	94	91	95	95	2.27	95	2.17	0.10	
Uri-I HPS (4*120)	480	339	416	311	8.43	351	8.14	0.29	
Uri-II HPS (4*60)	240	202	241	213	4.95	206	4.86	0.09	
Dhauliganga-HPS (4*70)	280	210	212	216	4.93	206	5.04	-0.11	
Dulhasti-HPS (3*130)	390	383	397	391	9.24	385	9.18	0.06	
Sewa-II HPS (3*40)	120	121	127	0	2.33	97	2.27	0.06	
Parbati 3 (4*130)	520	390	393	138	6.98	291	6.87	0.11	
Sub Total (C)	4065	3208	3156	3232	74	3079	73	0.98	
D. SJVNL									
NJPC (6*250)	1500	1605	1615	1625	38.48	1603	38.52	-0.04	
Rampur HEP (6*68.67)	412	441	441	443	10.63	443	10.61	0.02	
Sub Total (D)	1912	2046	2056	2068	49.11	2046	49.13	-0.01	
E. THDC									
Tehri HPS (4*250)	1000	1071	1062	524	14.48	604	14.00	0.48	
Koteshwar HPS (4*100)	400	206	307	189	4.99	208	4.95	0.04	
Sub Total (E)	1400	1278	1369	713	19.47	811	18.95	0.52	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	784	1171	667	18.74	781	18.83	-0.09	
Dehar HPS (6*165)	990	600	825	560	14.46	602	14.39	0.07	
Pong HPS (6*66)	396	98	198	66	2.33	97	2.36	-0.03	
Sub Total (F)	2765	1482	2194	1293	35.53	1480	35.58	-0.05	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	227	212	5.14	214	4.80	0.34	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.23	1093	26.08	0.15	
Malana Stg-II HPS (2*50)	100	0	111	111	2.63	109	2.46	0.17	
Shree Cement TPS (2*150)	300	0	196	157	4.36	182	4.44	-0.08	
Budhil HPS(IPP) (2*35)	70	0	75	74	1.78	74	1.75	0.03	
Sub Total (G)	1662	0	1709	1654	40.14	1672	39.53	0.61	
H. Total Regional Entities (A-G)	25237	20324	21269	18156	429.79	17908	434.94	-5.15	

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	160	160	3.41	142	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.06	-2	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.16	-7	
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2	
	Rajpura (2*700)	1400	1320	660	23.43	976	
	Talwandi Saboo (3*660)	1980	308	308	8.05	336	
	Thermal (Total)	6560	1788	1128	34.63	1443	
	Total Hydro	1000	611	473	13.18	549	
	Total Punjab	7560	2399	1601	47.80	1992	
	Haryana	Panipat TPS (2*210+2*250)	920	0	200	3.27	136
DCRTPP (Yamuna nagar) (2*300)		600	475	473	10.93	456	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	308	312	7.48	312	
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	0	0	0.00	0	
Thermal (Total)		4497	783	985	21.69	904	
Total Hydro		62	40	40	1.00	42	
Total Haryana		4559	823	1025	22.69	945	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	680	540	16.07	670
	suratgarh TPS (6*250)	1500	576	568	14.22	592	
	Chabra TPS (4*250)	1000	373	397	8.91	371	
	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	148	200	3.46	144	
	RAPS A (NPC) (1*100+1*200)	300	163	159	4.08	170	
	Barsingsar (NLC) (2*125)	250	226	225	5.32	222	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	442	477	11.32	472	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	0	0	0.00	0	
	Kawai(Adani) (2*660)	1320	441	449	11.83	493	
	Thermal (Total)	8876	3049	3015	75	3134	
	Total Hydro	550	302	286	7.25	302	
	Wind power	3214	177	1081	9.01	375	
	Biomass	99	21	21	0.51	21	
	Solar	730	0	0	1.79	75	
	Renewable/Others (Total)	4043	198	1102	11.31	471	
	Total Rajasthan	13469	3549	4403	93.76	3907	
	UP	Anpara TPS (3*210+2*500)	1630	887	779	19.97	832
Obra TPS (2*50+2*94+5*200)		1194	189	190	4.69	195	
Paricha TPS (2*110+2*220+2*250)		1160	893	824	20.03	835	
Panki TPS (2*105)		210	135	63	2.56	107	
Harduaganj TPS (1*60+1*105+2*250)		665	517	490	12.16	506	
Tanda TPS (NTPC) (4*110)		440	268	278	6.52	272	
Roza TPS (IPP) (4*300)		1200	1089	1103	26.15	1090	
Anpara-C (IPP) (2*600)		1200	495	495	11.67	486	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	324	403	8.90	371	
Anpara-D(2*500)		1000	0	220	2.39	99	
Lalitpur TPS(3*660)		1980	464	394	9.65	402	
Bara(2*660)		1320	0	0	0.68	28	
Thermal (Total)		12449	5261	5239	125	5223	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.48	437	
Alaknanda(4*82.5)		330	357	337	8.10	337	
Other Hydro		527	305	305	6.64	277	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	6408	6366	152	6324	
Uttarakhand		Total Hydro	1398	861	856	20.42	851
		Total Gas	225	172	148	3.66	152
	Total Uttarakhand	1623	1033	1004	24	1003	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	72	72	1.63	68	
	Pragati Gas Turbine (2x104+ 1x122)	330	146	260	4.99	208	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	253	6.01	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	326	7.08	295	
	Thermal (Total)	2917	794	911	19.71	821	
	Total Delhi	2917	794	911	19.71	821	
HP	Baspa HPS (IPP) (3*100)	300	330	300	7.45	310	
	Malana HPS (IPP) (2*43)	86	106	106	2.54	106	
	Other Hydro	878	689	681	16.40	683	
	Total HP	1264	1125	1087	26.38	1099	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	734	734	17.62	734	
	Other Hydro/IPP	560	181	185	4.38	182	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	915	919	21.99	916	
Total State Control Area Generation		47619	17046	17316	408.19	17008	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7076	8187	168.34	7014	
Total Regional Availability(Gross)		72856	45391	43659	1006.32	41930	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11070	9585	232.67	9694
State Control Area Hydro		7106	5123	4886	119.09	4962
Total Regional Hydro		19340	16193	14471	351.76	14657

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)	-500	-100	0	500	0.00	7.78	-7.78
765 KV Gwalior-Agra (D/C)	2409	2499	2801	0	53.90	0.00	53.90
400 KV Zerda-Kankroli	12	-13	40	175	0.00	1.67	-1.67
400 KV Zerda-Bhinmal	69	59	155	151	0.14	0.00	0.14
220 KV Auraiya-Malanpur	-41	7	0	102	0.00	0.44	-0.44
220 KV Badod-Kota/Morak	0	27	58	51	0.28	0.00	0.28
Mundra-Mohindergarh(HVDC Bipole)	1998	2498	2505	0.00	48.13	0.00	48.13
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1004	948	1094	0	21.57	0.00	21.57
Sub Total WR	4951	5925			124.01	9.89	114.13
Pusauli Bypass/HVDC	250	250	250	0	5.96	0.00	5.96
400 KV MZP- GKP (D/C)	144	180	430	0	6.18	0.00	6.18
400 KV Patna-Balia(D/C) X 2	161	327	329	0	6.42	0.00	6.42
400 KV B'Sharif-Balia (D/C)	54	37	158	0	1.46	0.00	1.46
765 KV Gaya-Balia	259	230	353	0	5.55	0.00	5.55
765 KV Gaya-Varanasi (D/C)	364	324	483	0	8.08	0.00	8.08
220 KV Pusauli-Sahupuri	190	228	238	0	4.88	0.00	4.88
132 KV K'nasa-Sahupuri	-30	-36	0	36	0.00	0.61	-0.61
132 KV Son Ngr-Rihand	-40	-35	0	40	0.00	0.76	-0.76
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-297	-299	0	310	0.00	5.83	-5.83
400 KV Barh -GKP (D/C)	350	312	384	0	7.63	0.00	7.63
400 kV B'Sharif - Varanasi (D/C)	50	57	34	85	0.00	0.78	-0.78
Sub Total ER	1455	1575			46.15	7.98	38.17
+/- 800 KV BiswanathCharialli-Agra	670	687	687	0.00	16.03	0.00	16.03
Sub Total NER	670	687			16.03	0.00	16.03
Total IR Exch	7076	8187			186.20	17.86	168.34

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
32.04	3.43	35.47	38.52	10.40	-9.99	-1.92	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
64.00	114.19	178.19	54.21	114.13	168.34	-9.79	-0.06	-9.85

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	-30	-12	0	30	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	0.00	1.46	46.40	79.03	15.17	4.16	0.22	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)		
50.24	6.03	49.84	11.08	50.01	0.028	50.24	0.00	20.97	

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	417	6:15	407	21:45	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	6:16	400	23:07	0.0	0.0	0.3	0.0	0.3
Bareilly(PG)400kV	400	418	6:05	397	20:21	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	6:11	402	14:54	0.0	0.0	0.0	0.0	0.0
Dadri	400	416	6:02	400	19:36	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	424	6:03	405	19:41	0.0	0.0	8.9	0.0	8.9
Bawana	400	421	6:05	402	19:37	0.0	0.0	0.7	0.0	0.7
Bassi	400	422	17:31	402	19:38	0.0	0.0	3.2	0.0	3.2
Hissar	400	417	6:03	397	19:40	0.0	0.0	0.0	0.0	0.0
Moga	400	419	6:05	401	19:38	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	419	6:04	400	19:42	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	420	6:07	406	13:47	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	418	6:03	401	19:39	0.0	0.0	0.0	0.0	0.0
Wagoora	400	413	3:49	384	19:52	0.0	8.5	0.0	0.0	0.0
Amritsar	400	423	9:04	406	19:44	0.0	0.0	9.5	0.0	9.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	419	3:52	405	11:25	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	415	6:05	389	22:11	0.5	1.8	0.0	0.0	0.5

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	785	17:20	741	14:36	0.0	1.1	0.0	0.0	0.0
Balia	765	792	6:11	758	14:41	0.0	0.0	0.0	0.0	0.0
Moga	765	803	6:04	767	19:39	0.0	0.0	1.5	0.0	1.5
Agra	765	793	6:11	751	12:44	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	6:05	768	14:49	0.0	0.0	4.8	0.0	4.8
Unnao	765	777	6:13	746	14:55	0.0	0.0	0.0	0.0	0.0
Lucknow	765	793	6:15	757	23:07	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	6:05	768	14:54	0.0	0.0	4.9	0.0	4.9
Jhatikara	765	801	6:04	764	14:55	0.0	0.0	1.3	0.0	1.3
Bareilly 765 kV	765	786	6:11	760	0:06	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	796	17:32	763	19:37	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	500.13	1101.35	510.73	1590.18	1110.50	554.05
Pong	426.72	384.05	416.50	730.66	422.72	1020.81	1286.35	140.62
Tehri	829.79	740.04	817.35	949.25	816.35	929.25	519.59	325.00
Koteswar	612.50	598.50	610.78	4.95	610.35	4.69	325.00	329.00
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	393.85	358.67
Rihand	268.22	252.98	871.20	652.40	852.30	292.90	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	520.84	5.05	520.68	14.06	336.04	162.90

* 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	999	35	0	488	69	0	23.80	1.17	24.97
Delhi	422	-383	0	723	-346	0	16.25	-7.74	8.51
Haryana	2068	181	0	2002	274	0	46.41	2.89	49.30
HP	-1167	-526	0	-919	-620	0	-24.10	-13.70	-37.80
J&K	-583	-499	0	-583	184	0	-14.70	-0.45	-15.15
CHD	0	0	0	0	-20	0	0.36	-0.13	0.22
Rajasthan	-129	564	4	-129	553	4	-3.08	13.70	10.62
UP	1036	687	0	609	785	0	16.38	6.48	22.86
Uttarakhand	-126	-36	0	-126	13	0	-3.02	-0.08	-3.10
Total	2520	24	4	2067	893	4	58.29	2.13	60.42

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1250	485	92	16	0	0
Delhi	805	422	-45	-585	0	0
Haryana	2303	1752	303	-228	0	0
HP	-889	-1167	-471	-707	0	0
J&K	-583	-678	184	-513	0	0
CHD	44	0	0	-25	0	0
Rajasthan	-129	-129	584	548	4	4
UP	1062	528	785	0	0	0
Uttarakhand	-126	-126	56	-77	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 28.08.2016 :

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.