

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 11.09.2016
Date of Reporting : 12.09.2016



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
49459	1003	50463	50.14	48285	785	49070	50.02	1132.8	13.81

*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	80.53	18.94		99.47	116.63	117.17	0.54	216.64	0.00
Haryana	41.41	0.91		42.31	136.82	135.35	-1.46	177.67	0.00
Rajasthan	101.96	1.43	37.26	140.64	61.55	62.77	1.23	203.41	0.00
Delhi	21.59			21.59	74.79	73.99	-0.80	95.58	0.01
UP	164.19	24.46		188.65	146.36	147.20	0.85	335.85	4.64
Uttarakhand		18.60		22.45	15.10	15.81	0.71	38.26	0.00
HP		23.76		23.76	1.42	1.25	-0.16	25.01	0.37
J & K		21.97	0.00	21.97	17.25	13.20	-4.05	35.17	8.79
Chandigarh				0.00	5.38	5.21	-0.17	5.21	0.00
Total	409.67	110.06	37.26	560.85	575.28	571.95	-3.33	1132.80	13.81

* 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	9665	0	80	1475	8344	0	29	902	9665	20:00	0
Haryana	8216	0	-435	1917	7857	0	91	2318	8286	21:00	0
Rajasthan	8277	0	262	66	8731	0	63	243	9020	1:00	0
Delhi	4225	0	-25	472	4216	0	31	457	4828	24:00	0
UP	14288	525	-39	1279	15211	475	283	1514	15211	3:00	475
Uttarakhand	1734	0	52	-25	1580	0	-3	72	1734	20:00	0
HP	1020	32	34	-1712	949	15	20	-1139	1166	10:00	15
J&K	1786	446	-23	-562	1181	295	-271	-663	1866	11:00	466
Chandigarh	249	0	-25	0	215	0	6	0	249	20:00	0
Total	49459	1003	-119	2909	48285	785	249	3705	49581	21:00	422

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

Diversity is: 1.05

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 [OG:(+ve), UG: (-ve)]	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1670	1790	1822	39.50	1646	39.38	0.13	
Rihand I STPS (2*500)	1000	941	936	1013	20.92	872	21.25	-0.34	
Rihand II STPS (2*500)	1000	803	962	511	17.30	721	17.71	-0.40	
Rihand III STPS (2*500)	1000	958	779	1021	20.51	855	21.27	-0.76	
Dadri I STPS (4*210)	840	815	604	538	13.39	558	13.62	-0.23	
Dadri II STPS (2*490)	980	960	771	663	16.41	684	17.27	-0.86	
Unchahar I TPS (2*210)	420	350	290	303	6.81	284	7.60	-0.79	
Unchahar II TPS (2*210)	420	400	287	292	7.21	301	8.04	-0.82	
Unchahar III TPS (1*210)	210	200	141	152	3.59	149	3.97	-0.38	
ISTPP (Jhajjar) (3*500)	1500	1425	616	609	13.44	560	13.31	0.13	
Dadri GPS (4*130.19+2*154.51)	830	788	239	332	6.38	266	6.76	-0.38	
Anta GPS (3*88.71+1*153.2)	419	399	231	224	5.23	218	5.25	-0.02	
Auraiya GPS (4*111.19+2*109.30)	663	623	0	0	0.00	0	0.00	0.00	
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	0.04	2	0.05	-0.01	
KHEP(4*200)	800	855	836	437	12.24	510	12.00	0.24	
Sub Total (A)	12112	11191	8482	7917	183	7626	188	-4.50	
B. NPC									
NAPS (2*220)	440	188	209	215	4.53	189	4.51	0.02	
RAPS- B (2*220)	440	372	420	419	8.99	374	8.93	0.06	
RAPS- C (2*220)	440	405	446	449	9.59	399	9.72	-0.13	
Sub Total (B)	1320	965	1075	1083	23.10	962	23.16	-0.06	
C. NHPC									
Chamera I HPS (3*180)	540	532	0	7.14	297	6.87	6.87	0.27	
Chamera II HPS (3*100)	300	301	307	203	6.09	254	6.07	0.02	
Chamera III HPS (3*77)	231	171	228	156	4.04	168	4.01	0.02	
Bairasuli HPS(3*60)	180	179	182	0	2.04	85	2.01	0.03	
Salal-HPS (6*115)	690	571	565	657	14.56	607	13.72	0.85	
Tanakpur-HPS (3*31.4)	94	93	96	95	2.30	96	2.24	0.06	
Uri-I HPS (4*120)	480	415	452	445	10.39	433	9.97	0.42	
Uri-II HPS (4*60)	240	235	241	220	5.68	237	5.63	0.05	
Dhauliganga-HPS (4*70)	280	210	216	204	5.02	209	5.04	-0.02	
Dulhasti-HPS (3*130)	390	383	397	391	9.24	385	9.18	0.05	
Sewa-II HPS (3*40)	120	119	118	43	0.72	30	0.80	-0.08	
Parbati 3 (4*130)	520	520	413	0	2.79	116	2.70	0.09	
Sub Total (C)	4065	3737	3746	2413	70	2917	68	1.77	
D. SJVNL									
NJPC (6*250)	1500	1605	1608	1617	36.81	1534	38.15	-1.34	
Rampur HEP (6*68.67)	412	442	443	449	10.56	440	10.53	0.03	
Sub Total (D)	1912	2047	2051	2066	47.37	1974	48.67	-1.31	
E. THDC									
Tehri HPS (4*250)	1000	1071	1014	0	4.10	171	4.00	0.10	
Koteshwar HPS (4*100)	400	80	102	93	1.94	81	1.92	0.02	
Sub Total (E)	1400	1151	1116	93	6.04	252	5.92	0.12	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	884	1334	667	21.06	878	21.21	-0.14	
Dehar HPS (6*165)	990	579	825	570	13.91	580	13.90	0.01	
Pong HPS (6*66)	396	337	396	330	7.96	332	8.08	-0.12	
Sub Total (F)	2765	1799	2555	1567	42.93	1789	43.18	-0.25	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	182	96	2.79	116	2.71	0.08	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1000	21.84	910	21.81	0.03	
Malana Stg-II HPS (2*50)	100	0	86	75	1.90	79	1.79	0.10	
Shree Cement TPS (2*150)	300	0	227	240	5.16	215	5.35	-0.19	
Budhil HPS(IPP) (2*35)	70	0	65	45	1.16	48	1.54	-0.39	
Sub Total (G)	1662	0	1660	1457	32.84	1368	33.20	-0.36	
H. Total Regional Entities (A-G)	25237	20891	20685	16596	405.31	16888	409.90	-4.59	

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	630	630	13.06	544
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	232	141	4.13	172
	Guru Hargobind Singh TPS(L.mbi) (2*210+2*250)	920	450	254	7.58	316
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	31.19	1299
	Talwandi Saboo (3*660)	1980	1000	1110	24.61	1025
	Thermal (Total)	6560	3632	3455	80.53	3355
	Total Hydro	1000	771	778	18.94	789
	Total Punjab	7560	4403	4233	99.47	4145
	Haryana	Panipat TPS (2*210+2*250)	920	202	207	4.87
DCRTPP (Yamuna nagar) (2*300)		600	488	466	11.07	461
Faridabad GPS (NTPC)(2*137.75+1*156)		432	299	303	7.44	310
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	737	738	18.03	751
Thermal (Total)		4497	1726	1714	41.41	1725
Total Hydro		62	37	36	0.91	38
Total Haryana		4559	1763	1750	42.31	1763
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	833	753	19.96
	suratgarh TPS (6*250)	1500	556	556	13.19	550
	Chabra TPS (4*250)	1000	769	742	17.36	723
	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	107	109	2.74	114
	RAPS A (NPC) (1*100+1*200)	300	207	181	4.14	172
	Barsingsar (NLC) (2*125)	250	226	226	5.36	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	491	632	14.08	586
	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	891	1206	25.14	1047
	Thermal (Total)	8876	4080	4405	102	4248
	Total Hydro	550	48	45	1.43	59
	Wind power	3214	1095	1495	33.82	1409
	Biomass	99	24	24	0.58	24
	Solar	730	0	0	2.86	119
	Renewable/Others (Total)	4043	1119	1519	37.26	1553
	Total Rajasthan	13469	5247	5969	140.64	5860
	UP	Anpara TPS (3*210+2*500)	1630	1131	968	25.55
Obra TPS (2*50+2*94+5*200)		1194	203	167	4.52	188
Paricha TPS (2*110+2*220+2*250)		1160	884	874	21.04	877
Panki TPS (2*105)		210	135	144	3.18	133
Harduaganj TPS (1*60+1*105+2*250)		665	226	442	9.42	393
Tanda TPS (NTPC) (4*110)		440	357	343	8.40	350
Roza TPS (IPP) (4*300)		1200	1013	1103	24.62	1026
Anpara-C (IPP) (2*600)		1200	914	945	21.93	914
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	404	404	9.22	384
Anpara-D(2*500)		1000	482	497	11.88	495
Lalitpur TPS(3*660)		1980	451	495	10.58	441
Bara(2*660)		1320	552	461	12.64	527
Thermal (Total)		12449	6752	6843	163	6791
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.47	436
Alaknanda(4*82.5)		330	340	339	8.13	339
Other Hydro		527	255	279	5.86	244
Cogeneration		981	50	50	1.20	50
Total UP	14727	7832	7946	189	7860	
Uttarakhand	Total Hydro	1398	801	741	18.60	775
	Total Gas	225	159	162	3.86	161
	Total Uttarakhand	1623	960	903	22	936
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	72	73	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	267	268	6.65	277
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	251	6.06	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	328	326	7.07	294
	Thermal (Total)	2917	919	917	21.59	900
	Total Delhi	2917	919	917	21.59	900
HP	Baspa HPS (IPP) (3*100)	300	331	301	7.51	313
	Malana HPS (IPP) (2*43)	86	106	106	2.63	110
	Other Hydro	878	525	591	13.62	568
	Total HP	1264	962	998	23.76	990
J & K	Baqlihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	Other Hydro/IPP	560	181	185	4.38	182
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	1500	914	918	21.97	915
Total State Control Area Generation		47619	23000	23634	560.85	23369
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7950.07	9798.61	186.97	7791
Total Regional Availability(Gross)		72856	51635	50029	1153.13	48047
IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11672	7748	205.10	8546
State Control Area Hydro		7106	4722	4731	110.06	4746
Total Regional Hydro		19340	16394	12479	315.16	13292

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)	-350	150	150	350	0.94	5.17	-4.23
765 KV Gwalior-Agra (D/C)	2479	2949	1500	0	54.01	0.00	54.01
400 KV Zerda-Kankroli	-71	-35	0	320	0.00	4.59	-4.59
400 KV Zerda-Bhinmal	-19	-17	0	325	0.00	3.54	-3.54
220 KV Auraiya-Malanpur	-78	-30	0	87	0.00	1.56	-1.56
220 KV Badod-Kota/Morak	-48	65	65	55	0.60	0.00	0.60
Mundra-Mohinderghar(HVDC Bipole)	2499	2503	2516	0.00	60.46	0.00	60.46
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1082	997	1197	0	22.97	0.00	22.97
Sub Total WR	5494	6582			138.99	14.87	124.12
Pusauli Bypass/HVDC	250	250	250	0	6.07	0.00	6.07
400 KV MZP- GKP (D/C)	266	546	630	0	11.20	0.00	11.20
400 KV Patna-Balia(D/C) X 2	406	468	491	0	10.49	0.00	10.49
400 KV B'Sharif-Balia (D/C)	25	157	160	0	2.42	0.00	2.42
765 KV Gaya-Balia	247	361	361	0	3.16	0.00	3.16
765 KV Gaya-Varanasi (D/C)	409	603	603	0	10.44	0.00	10.44
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-28	-28	0	30	0.00	0.60	-0.60
132 KV Son Ngr-Rihand	-28	-28	0	30	0.00	0.57	-0.57
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-222	-163	0	309	0.00	4.11	-4.11
400 KV Barh -GKP (D/C)	410	430	440	0	8.14	0.00	8.14
400 kV B'Sharif - Varanasi (D/C)	53	-50	72	86	0.29	0.00	0.29
Sub Total ER	1788	2546			52.21	5.28	46.93
+/- 800 KV BiswanathCharialli-Agra	668	671	677	0.00	15.93	0.00	15.93
Sub Total NER	668	671			15.93	0.00	15.93
Total IR Exch	7950	9799			207.12	20.15	186.97

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
40.39	3.78	44.18	37.11	10.89	-1.13	5.73	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
80.16	119.36	199.52	62.85	124.12	186.97	-17.30	4.76	-12.54

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	-28	-25	0	30	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	0.72	35.31	74.27	20.67	4.32	0.09	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)		
50.21	6.02	49.85	3.11	50.02	0.028	50.18	50.02	25.73	

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	410	6:25	402	19:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	6:02	400	20:49	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	6:03	398	14:49	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	6:03	399	20:48	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	6:03	398	14:50	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	423	6:03	403	14:51	0.0	0.0	2.4	0.0	2.4
Bawana	400	418	6:03	400	14:50	0.0	0.0	0.0	0.0	0.0
Bassi	400	423	18:01	403	14:51	0.0	0.0	3.2	0.0	3.2
Hissar	400	413	6:02	394	14:48	0.0	0.0	0.0	0.0	0.0
Moga	400	416	6:03	400	14:43	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	420	6:06	402	14:52	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	419	6:05	404	14:44	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	413	4:03	402	14:42	0.0	0.0	0.0	0.0	0.0
Wagoora	400	409	23:52	388	19:16	0.0	3.9	0.0	0.0	0.0
Amritsar	400	418	4:01	398	14:55	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	413	3:57	397	14:51	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	6:03	390	0:32	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	790	6:03	750	20:40	0.0	0.0	0.0	0.0	0.0
Balia	765	790	6:02	754	20:50	0.0	0.0	0.0	0.0	0.0
Moga	765	808	6:03	773	14:51	0.0	0.0	8.1	0.0	8.1
Agra	765	798	6:02	756	20:46	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	6:03	766	14:47	0.0	0.0	0.6	0.0	0.6
Unnao	765	768	6:03	737	20:48	0.0	14.0	0.0	0.0	0.0
Lucknow	765	792	6:03	756	20:50	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	18:04	772	19:21	0.0	0.0	6.7	0.0	6.7
Jhatikara	765	799	6:02	762	14:51	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	794	6:02	757	14:51	0.0	0.0	0.0	0.0	0.0
Anta	765	796	0:00	796	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	6:04	763	16:29	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	502.90	1219.07	511.34	1620.46	687.22	631.58
Pong	426.72	384.05	418.01	794.52	422.03	990.81	731.82	481.10
Tehri	829.79	740.04	823.80	1082.00	820.65	1014.00	280.88	89.00
Koteshwar	612.50	598.50	608.71	4.69	610.82	5.00	89.00	127.61
Chamera-I	760.00	748.75	753.15	0.00	0.00	0.00	203.58	193.91
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	521.08	7.71	514.19	11.82	196.58	312.49

* 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	902	0	0	918	556	0	24.72	6.98	31.70
Delhi	634	-177	0	634	-162	0	15.38	-3.95	11.43
Haryana	1965	340	13	1661	243	13	41.97	5.43	47.40
HP	-854	-285	0	-854	-858	0	-18.06	-12.48	-30.53
J&K	-547	-115	0	-547	-15	0	-13.73	-0.60	-14.33
CHD	0	0	0	0	0	0	0.36	0.00	0.36
Rajasthan	-281	524	0	-128	194	0	-4.00	11.58	7.58
UP	1078	436	0	395	884	0	12.88	6.39	19.28
Uttarakhand	-169	241	0	-169	144	0	-4.05	3.75	-0.31
Total	2727	964	14	1909	986	14	55.47	17.10	72.57

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1275	770	866	0	0	0
Delhi	684	596	327	-574	0	0
Haryana	2074	1575	347	-242	13	13
HP	-550	-1143	-276	-943	0	0
J&K	-547	-618	85	-115	0	0
CHD	44	0	0	0	0	0
Rajasthan	-128	-281	537	-81	0	0
UP	1104	307	884	0	0	0
Uttarakhand	-169	-169	340	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	6.94%
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 11.09.2016 :

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.