

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 14.08.2016
Date of Reporting : 15.08.2016



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
43271	-16	43255	50.04	41961	-322	41639	50.09	984.0	8.90

*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	60.28	16.44		76.73	130.11	131.04	0.93	207.77	0.00
Haryana	5.51	0.99		6.50	140.82	138.96	-1.85	145.47	0.00
Rajasthan	59.57	1.78	30.60	91.95	66.24	66.48	0.24	158.43	0.00
Delhi	18.95			18.95	71.73	70.47	-1.26	89.42	0.05
UP	113.55	19.30		132.85	151.59	150.22	-1.36	283.07	0.00
Uttarakhand		18.75		21.09	14.76	14.31	-0.45	35.40	0.00
HP		24.96		24.96	-3.09	-0.55	-2.55	24.41	0.00
J & K		21.97	0.00	21.97	15.82	13.46	-2.36	35.42	8.86
Chandigarh				0.00	4.93	4.66	-0.27	4.66	0.00
Total	257.87	104.18	30.60	394.99	592.90	589.06	-3.84	984.04	8.90

* 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	9305	0	180	1320	8044	0	215	1092	9305	20:00	0
Haryana	6664	0	100	2063	6730	0	-204	2394	7285	21:00	0
Rajasthan	7014	0	-134	419	6398	0	-329	462	7530	21:00	0
Delhi	3704	0	-194	501	3948	0	162	238	4419	1:00	0
UP	11989	-460	-419	1125	13028	-610	124	1335	13223	23:00	-60
Uttarakhand	1590	0	-30	-211	1531	0	76	-151	1590	20:00	0
HP	1000	0	147	-1716	938	0	175	-1845	1156	11:00	0
J&K	1776	444	-25	-648	1152	288	-70	-1082	1776	20:00	444
Chandigarh	230	0	-10	-50	191	0	-2	-60	232	21:00	0
Total	43271	-16	-386	2804	41961	-322	148	2383	44446	21:00	195

\$ 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	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	1625	1921	1388	38.57	1607	37.80	0.77
Rihand I STPS (2*500)	1000	465	485	407	10.30	429	10.64	-0.34
Rihand II STPS (2*500)	1000	956	1005	896	20.71	863	20.59	0.11
Rihand III STPS (2*500)	1000	857	1025	648	18.95	790	19.10	-0.15
Dadri I STPS (4*210)	840	805	170	168	3.89	162	3.87	0.02
Dadri II STPS (2*490)	980	960	658	684	16.18	674	16.91	-0.73
Unchahar I TPS (2*210)	420	320	261	326	5.87	245	6.22	-0.35
Unchahar II TPS (2*210)	420	400	351	400	7.04	293	7.53	-0.49
Unchahar III TPS (1*210)	210	200	182	196	3.41	142	3.81	-0.41
ISTPP (Jhajjar) (3*500)	1500	1425	765	599	14.06	586	14.27	-0.21
Dadri GPS (4*130.19+2*154.51)	830	792	392	377	7.02	292	7.33	-0.32
Anta GPS (3*88.71+1*153.2)	419	409	252	229	5.52	230	5.71	-0.19
Auraiya GPS (4*111.19+2*109.30)	663	611	93	139	1.97	82	2.17	-0.20
Dadri Solar(5)	5	1	0	0	0.01	1	0.01	0.00
Unchahar Solar(10)	10	2	0	0	0.03	1	0.04	-0.01
Singrauli Solar(15)	15	1	0	0	0.02	1	0.03	-0.01
KHEP(4*200)	800	855	852	850	20.65	860	20.52	0.13
Sub Total (A)	12112	10682	8412	7307	174	7258	177	-2.37
B. NPC								
NAPS (2*220)	440	384	423	401	9.09	379	9.22	-0.12
RAPS- B (2*220)	440	179	205	203	4.30	179	4.30	0.01
RAPS- C (2*220)	440	390	435	439	9.40	392	9.36	0.04
Sub Total (B)	1320	953	1063	1043	22.80	950	22.87	-0.07
C. NHPC								
Chamera I HPS (3*180)	540	540	545	545	13.09	546	12.96	0.13
Chamera II HPS (3*100)	300	301	309	303	7.24	302	7.22	0.02
Chamera III HPS (3*77)	231	229	233	232	5.52	230	5.50	0.02
Bairasuli HPS(3*60)	180	180	173	122	4.03	168	4.05	-0.02
Salal-HPS (6*115)	690	662	671	671	16.19	674	15.89	0.30
Tanakpur-HPS (3*31.4)	94	90	95	95	2.28	95	2.16	0.11
Uri-I HPS (4*120)	480	427	429	422	10.27	428	10.24	0.02
Uri-II HPS (4*60)	240	82	237	0	1.97	82	1.96	0.01
Dhauliganga-HPS (4*70)	280	252	280	210	6.10	254	6.06	0.05
Dulhasti-HPS (3*130)	390	381	396	395	9.27	386	9.14	0.13
Sewa-II HPS (3*40)	120	124	128	126	3.03	126	2.97	0.06
Parbati 3 (4*130)	520	520	522	0	6.16	256	6.18	-0.02
Sub Total (C)	4065	3787	4018	3120	85	3548	84	0.83
D. SJVNL								
NJPC (6*250)	1500	1605	1604	1607	38.37	1599	38.52	-0.15
Rampur HEP (6*68.67)	412	442	444	422	10.64	443	10.61	0.03
Sub Total (D)	1912	2047	2048	2029	49.01	2042	49.13	-0.12
E. THDC								
Tehri HPS (4*250)	1000	1030	1024	1002	24.36	1015	24.72	-0.36
Koteshwar HPS (4*100)	400	367	403	363	8.78	366	8.80	-0.02
Sub Total (E)	1400	1397	1427	1365	33.13	1381	33.52	-0.39
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	873	1329	669	20.89	870	20.96	-0.08
Dehar HPS (6*165)	990	612	825	570	14.78	616	14.68	0.10
Pong HPS (6*66)	396	242	396	132	5.60	234	5.81	-0.20
Sub Total (F)	2765	1727	2550	1371	41.27	1720	41.45	-0.18
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	0	5.50	229	5.31	0.20
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.16	1090	26.08	0.08
Malana Stg-II HPS (2*50)	100	0	112	112	2.65	111	2.49	0.16
Shree Cement TPS (2*150)	300	0	136	143	3.10	129	3.14	-0.04
Budhil HPS(IPP) (2*35)	70	0	74	73	1.75	73	1.65	0.10
Sub Total (G)	1662	0	1654	1428	39.16	1632	38.67	0.50
H. Total Regional Entities (A-G)	25237	20593	21171	17664	444.73	18530	446.53	-1.80

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	420	8.80	366	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	210	218	4.66	194	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	458	464	10.03	418	
	Goindwal(GVK) (2*270)	540	246	235	5.71	238	
	Rajpura (2*700)	1400	1320	1320	31.43	1309	
	Talwandi Saboo (3*660)	1980	0	0	-0.34	-14	
	Thermal (Total)	6560	2654	2657	60.28	2512	
	Total Hydro	1000	792	721	16.44	685	
	Total Punjab	7560	3446	3378	76.73	3197	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	232	230	5.51	230	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	0	0	0.00	0	
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	232	230	5.51	230	
Total Hydro		62	37	41	0.99	41	
Total Haryana		4559	269	271	6.50	271	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	155	155	4.01	167
	suratgarh TPS (6*250)	1500	0	0	0.00	0	
	Chabra TPS (4*250)	1000	448	403	12.07	503	
	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	152	152	3.81	159	
	RAPS A (NPC) (1*100+1*200)	300	164	163	4.08	170	
	Barsingar (NLC) (2*125)	250	112	114	2.62	109	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	565	507	14.73	614	
	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	1123	965	18.25	760	
	Thermal (Total)	8876	2719	2459	60	2482	
	Total Hydro	550	78	50	1.78	74	
	Wind power	3214	1065	1501	29.72	1238	
	Biomass	99	27	27	0.64	27	
	Solar	730	1	0	0.23	10	
	Renewable/Others (Total)	4043	1093	1528	30.60	1275	
	Total Rajasthan	13469	3890	4037	91.95	3831	
	UP	Anpara TPS (3*210+2*500)	1630	860	943	21.70	904
Obra TPS (2*50+2*94+5*200)		1194	232	202	5.10	213	
Paricha TPS (2*110+2*220+2*250)		1160	724	788	15.20	633	
Panki TPS (2*105)		210	135	135	3.20	133	
Harduaganj TPS (1*60+1*105+2*250)		665	406	437	8.30	346	
Tanda TPS (NTPC) (4*110)		440	370	380	8.10	337	
Roza TPS (IPP) (4*300)		1200	1040	819	19.50	813	
Anpara-C (IPP) (2*600)		1200	792	990	18.80	783	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	0	0	0.05	2	
Anpara-D(2*500)		1000	0	0	0.00	0	
Lalitpur TPS(3*660)		1980	0	0	0.00	0	
Bara(2*660)		1320	549	513	12.40	517	
Thermal (Total)		12449	5108	5207	112	4681	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.50	438	
Alaknanda(4*82.5)		330	251	258	6.20	258	
Other Hydro		527	80	154	2.60	108	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	5924	6104	133	5535	
Uttarakhand		Total Hydro	1398	801	770	18.75	781
		Total Gas	225	92	100	2.34	98
	Total Uttarakhand	1623	893	870	21	879	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	72	73	1.73	72	
	Pragati Gas Turbine (2x104+ 1x122)	330	138	140	3.67	153	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	250	6.04	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	7.54	314	
	Thermal (Total)	2917	790	793	18.95	790	
	Total Delhi	2917	790	793	18.95	790	
HP	Baspa HPS (IPP) (3*100)	300	326	326	7.78	324	
	Malana HPS (IPP) (2*43)	86	107	108	2.54	106	
	Other Hydro	878	624	621	14.64	610	
	Total HP	1264	1057	1055	24.96	1040	
J & K	Baglihar 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	17183	17426	394.99	16458	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6737.01	6112.99	167.97	6999	
Total Regional Availability(Gross)		72856	45091	41203	1007.68	41987	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	12338	9947	263.53	10980
State Control Area Hydro		7106	4537	4502	106.53	4439
Total Regional Hydro		19340	16875	14449	370.06	15419

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)	-250	-250	0	250	0.00	6.24	-6.24
765 KV Gwalior-Agra (D/C)	2131	1939	2321	0	42.79	0.00	42.79
400 KV Zerda-Kankroli	210	103	234	131	1.78	0.00	1.78
400 KV Zerda-Bhinmal	-201	-58	250	163	1.41	0.00	1.41
220 KV Auraiya-Malanpur	-40	-10	0	65	0.00	0.54	-0.54
220 KV Badod-Kota/Morak	154	152	112	0	3.48	0.00	3.48
Mundra-Mohindergarh(HVDC Bipole)	1498	1502	1507	0.00	36.32	0.00	36.32
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	948	797	515	0	20.60	0.00	20.60
Sub Total WR	4450	4175			106.38	6.78	99.60
Pusauli Bypass/HVDC	108	89	0	168	0.00	2.47	-2.47
400 KV MZP- GKP (D/C)	514	366	644	0	11.10	0.00	11.10
400 KV Patna-Balia(D/C) X 2	574	488	602	0	12.24	0.00	12.24
400 KV B'Sharif-Balia (D/C)	151	176	254	0	4.61	0.00	4.61
765 KV Gaya-Balia	414	325	414	0	3.90	0.00	3.90
765 KV Gaya-Varanasi (D/C)	-488	-461	517	0	10.54	0.00	10.54
220 KV Pusauli-Sahupuri	153	149	178	0	3.64	0.00	3.64
132 KV K'nasa-Sahupuri	-20	-28	0	30	0.00	0.45	-0.45
132 KV Son Ngr-Rihand	-17	-20	0	51	0.00	0.38	-0.38
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	118	-1	165	1	2.37	0.00	2.37
400 KV Barh -GKP (D/C)	380	452	500	0	9.51	0.00	9.51
400 kV B'Sharif - Varanasi (D/C)	-84	-78	138	0	2.44	0.00	2.44
Sub Total ER	1803	1457			60.34	3.30	57.05
+/- 800 KV BiswanathCharialli-Agra	484	481	492	0.00	11.32	0.00	11.32
Sub Total NER	484	481			11.32	0.00	11.32
Total IR Exch	6737	6113			178.04	10.08	167.97

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
35.48	3.73	39.22	40.61	9.37	-4.60	-6.03	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
75.23	88.84	164.07	68.37	99.60	167.97	-6.87	10.76	3.90

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	-26	-23	0	32	0	1	-0.57

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	3.76	42.04	73.69	19.34	3.00	0.27	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	18.03	49.80	20.48	50.01	0.033	0.057	50.21	49.97	26.31

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	411	7:42	403	20:10	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	9:04	402	0:18	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	6:05	400	20:11	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	6:04	401	20:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	6:04	399	20:06	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	426	6:02	403	20:07	0.0	0.0	23.5	0.0	23.5
Bawana	400	422	6:05	400	20:07	0.0	0.0	0.6	0.0	0.6
Bassi	400	424	6:04	394	20:09	0.0	0.0	2.7	0.0	2.7
Hissar	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Moga	400	412	5:51	394	19:56	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	415	6:03	397	20:10	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	416	6:06	404	20:01	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	2:48	398	19:52	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	2:48	384	20:05	0.0	7.7	0.0	0.0	0.0
Amritsar	400	419	9:39	403	20:07	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	8:34	414	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	415	3:59	407	22:20	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	416	6:03	396	20:49	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	791	6:04	747	20:13	0.0	0.0	0.0	0.0	0.0
Balia	765	793	6:05	757	20:13	0.0	0.0	0.0	0.0	0.0
Moga	765	796	6:05	756	20:09	0.0	0.0	0.0	0.0	0.0
Agra	765	800	6:05	748	20:11	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	775	18:03	746	20:11	0.0	0.0	0.0	0.0	0.0
Lucknow	765	792	6:04	759	20:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	6:04	767	20:11	0.0	0.0	25.3	0.0	25.3
Jhatikara	765	804	6:03	760	20:06	0.0	0.0	3.0	0.0	3.0
Bareilly 765 kV	765	789	6:04	756	20:10	0.0	0.0	0.0	0.0	0.0
Anta	765	798	5:59	761	19:58	0.0	0.0	0.0	0.0	0.0
Phagi	765	803	6:02	758	19:56	0.0	0.0	1.3	0.0	1.3

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	495.76	937.45	508.27	1470.42	1348.39	663.77
Pong	426.72	384.05	414.17	644.91	421.35	946.20	1122.76	353.59
Tehri	829.79	740.04	808.60	774.98	810.15	805.00	737.87	572.00
Koteshwar	612.50	598.50	610.43	4.69	610.33	4.69	572.00	579.05
Chamera-I	760.00	748.75	758.09	0.00	0.00	0.00	459.22	358.72
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	517.28	5.28	523.91	14.36	519.88	196.30

* 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	1084	7	0	700	620	0	26.61	9.95	36.56
Delhi	481	-243	0	650	-148	0	16.57	-6.27	10.30
Haryana	2038	343	13	1795	256	13	44.91	5.22	50.13
HP	-1293	-551	0	-1065	-651	0	-26.78	-14.24	-41.02
J&K	-583	-499	0	-633	-15	0	-15.16	-4.74	-19.90
CHD	0	-60	0	0	-50	0	0.36	-1.44	-1.08
Rajasthan	-129	590	0	-129	548	0	-3.08	13.81	10.73
UP	1040	294	0	634	491	0	17.07	2.69	19.77
Uttarakhand	-129	-22	0	-129	-81	0	-3.10	-0.60	-3.70
Total	2510	-140	13	1823	968	13	57.39	4.39	61.78

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1322	623	1303	5	0	0
Delhi	903	481	8	-581	0	0
Haryana	2124	1732	351	-189	13	13
HP	-1015	-1293	-499	-776	0	0
J&K	-583	-784	-15	-513	0	0
CHD	44	0	-30	-80	0	0
Rajasthan	-129	-129	594	509	0	0
UP	1061	578	491	0	0	0
Uttarakhand	-129	-129	38	-106	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 14.08.2016 :

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.