

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 30.07.2016
Date of Reporting : 31.07.2016



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
44605	832	45436	50.05	40423	243	40666	50.03	997.7	8.75

*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	80.41	14.78		95.18	132.89	133.28	0.39	228.46	0.00
Haryana	18.20	0.83		19.03	139.22	137.52	-1.70	156.55	0.00
Rajasthan	78.12	0.00	17.07	95.19	61.01	62.29	1.28	157.48	0.30
Delhi	19.36			19.36	73.98	71.98	-2.00	91.34	0.00
UP	108.17	15.16		123.33	150.33	138.37	-11.96	261.70	0.00
Uttarakhand		21.56		21.56	13.73	15.35	1.62	36.91	0.00
HP		25.02		25.02	0.27	1.06	0.79	26.08	0.00
J & K		22.25	0.00	22.25	15.03	11.56	-3.47	33.81	8.45
Chandigarh				0.00	6.34	5.38	-0.96	5.38	0.00
Total	304.25	99.58	17.07	420.91	592.81	576.80	-16.01	997.71	8.75

* 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				UI (OD:(+ve), UD:(-ve))		
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)	
Punjab	9742	0	-73	1442	8710	0	92	1723	9987	21:00	0
Haryana	7412	0	-59	2024	6673	0	-62	2222	7873	21:00	0
Rajasthan	7030	189	224	-169	6462	0	-190	281	7485	23:00	0
Delhi	3980	0	42	307	3643	0	-158	245	4219	1:00	0
UP	11450	210	-759	1186	11236	0	-841	1279	12101	1:00	0
Uttarakhand	1729	0	256	-9	1452	0	21	-215	1732	21:00	0
HP	1073	0	15	-1557	939	0	-5	-1709	1281	13:00	0
J&K	1942	433	56	-668	1111	243	-184	-1131	1950	21:00	435
Chandigarh	248	0	-38	-40	198	0	-36	-30	254	23:00	0
Total	44605	832	-335	2515	40423	243	-1362	2664	45348	21:00	547

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

Diversity is: 1.03

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 (OD:(+ve), UG:(-ve))	
								Maximum Demand Met (MW) and Time(Hrs)	Shortage (MW)
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1887	2056	1517	39.25	1635	38.52		0.73
Rihand I STPS (2*500)	1000	940	1024	743	18.52	772	18.95		-0.44
Rihand II STPS (2*500)	1000	963	987	766	18.22	759	18.62		-0.39
Rihand III STPS (2*500)	1000	963	936	724	18.51	771	19.01		-0.50
Dadri I STPS (4*210)	840	805	162	311	5.37	224	5.34		0.03
Dadri II STPS (2*490)	980	960	756	669	15.91	663	16.44		-0.53
Unchahar I TPS (2*210)	420	350	306	254	5.84	243	6.04		-0.20
Unchahar II TPS (2*210)	420	400	325	277	5.98	249	6.78		-0.80
Unchahar III TPS (1*210)	210	200	160	153	3.13	131	3.38		-0.24
ISTPP (Jhajjar) (3*500)	1500	1425	608	597	13.46	561	13.71		-0.25
Dadri GPS (4*130.19+2*154.51)	830	792	160	172	3.74	156	3.93		-0.19
Anta GPS (3*88.71+1*153.2)	419	411	200	206	4.94	206	5.18		-0.24
Auraiya GPS (4*111.19+2*109.30)	663	633	150	159	2.85	119	2.97		-0.12
Dadri Solar(5)	5	1	0	0	0.01	1	0.02		-0.01
Unchahar Solar(10)	10	2	0	0	0.03	1	0.05		-0.02
Singrauli Solar(15)	15	2	0	0	0.01	0	0.05		-0.04
KHEP(4*200)	800	846	853	852	20.20	842	20.30		-0.10
Sub Total (A)	12112	11579	8683	7400	176	7332	179		-3.30
B. NPC									
NAPS (2*220)	440	386	423	427	9.28	387	9.26		0.02
RAPS- B (2*220)	440	177	202	204	4.25	177	4.25		0.00
RAPS- C (2*220)	440	410	441	439	9.48	395	9.84		-0.36
Sub Total (B)	1320	973	1066	1070	23.01	959	23.35		-0.34
C. NHPC									
Chamera I HPS (3*180)	540	540	543	542	13.02	542	12.96		0.06
Chamera II HPS (3*100)	300	296	309	305	7.06	294	7.10		-0.04
Chamera III HPS (3*77)	231	229	227	234	5.49	229	5.50		-0.01
Bairasuli HPS(3*60)	180	180	184	0	3.14	131	3.10		0.03
Salal-HPS (6*115)	690	662	675	674	16.28	678	15.88		0.39
Tanakpur-HPS (3*31.4)	94	90	95	96	2.29	95	2.14		0.15
Uri-I HPS (4*120)	480	432	437	436	10.43	435	10.34		0.09
Uri-II HPS (4*60)	240	235	238	238	5.66	236	5.61		0.06
Dhauliganga-HPS (4*70)	280	270	273	272	6.50	271	6.48		0.02
Dulhasti-HPS (3*130)	390	381	397	393	9.25	386	9.14		0.11
Sewa-II HPS (3*40)	120	119	126	129	3.00	125	2.86		0.14
Parbati 3 (4*130)	520	506	394	0	3.62	151	3.62		0.00
Sub Total (C)	4065	3941	3898	3318	86	3573	85		1.01
D. SJVNL									
NJPC (6*250)	1500	1605	1616	1623	38.44	1602	38.52		-0.08
Rampur HEP (6*68.67)	412	442	445	444	10.66	444	10.61		0.06
Sub Total (D)	1912	2047	2061	2067	49.10	2046	49.13		-0.03
E. THDC									
Tehri HPS (4*250)	1000	872	875	874	20.89	870	20.93		-0.04
Koteshwar HPS (4*100)	400	361	401	273	8.40	350	8.44		-0.04
Sub Total (E)	1400	1233	1276	1147	29.29	1221	29.37		-0.07
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	937	1323	759	22.51	938	22.50		0.01
Dehar HPS (6*165)	990	598	660	560	14.53	606	14.35		0.18
Pong HPS (6*66)	396	86	180	60	2.03	85	2.06		-0.02
Sub Total (F)	2765	1621	2163	1379	39.07	1628	38.90		0.17
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	225	4.74	197	4.71		0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.20	1092	26.08		0.12
Malana Stg-II HPS (2*50)	100	0	112	112	2.64	110	2.50		0.14
Shree Cement TPS (2*150)	300	0	292	234	5.70	238	5.86		-0.16
Budhil HPS(IPP) (2*35)	70	0	70	71	1.62	68	1.54		0.08
Sub Total (G)	1662	0	1804	1743	40.89	1704	40.70		0.20
H. Total Regional Entities (A-G)	25237	21394	20952	18123	443.09	18462	445.46		-2.37

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	805	640	16.20	675	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	116	100	2.31	96	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	452	399	9.33	389	
	Goindwal(GVK) (2*270)	540	246	246	5.90	246	
	Rajpura (2*700)	1400	1320	820	28.18	1174	
	Talwandi Saboo (3*660)	1980	820	616	18.49	771	
	Thermal (Total)	6560	3759	2821	80.41	3350	
	Total Hydro	1000	604	608	14.78	616	
	Total Punjab	7560	4363	3429	95.18	3966	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	463	455	10.83	451	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	312	309	7.37	307	
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	775	764	18.20	758	
Total Hydro		62	33	33	0.83	34	
Total Haryana		4559	808	797	19.03	793	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	156	544	7.87	328
	suratgarh TPS (6*250)	1500	217	181	4.32	180	
	Chabra TPS (4*250)	1000	815	753	18.32	763	
	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	156	157	3.95	165	
	RAPS A (NPC) (1*100+1*200)	300	121	0	0.78	33	
	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	764	506	12.99	541	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	0	404	7.42	309	
	Kawai(Adani) (2*660)	1320	1121	866	22.48	936	
	Thermal (Total)	8876	3350	3411	78	3255	
	Total Hydro	550	0	0	0.00	0	
	Wind power	3214	324	1054	16.46	686	
	Biomass	99	25	25	0.61	25	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	349	1079	17.07	711	
	Total Rajasthan	13469	3699	4490	95.19	3966	
	UP	Anpara TPS (3*210+2*500)	1630	1215	1292	28.70	1196
		Obra TPS (2*50+2*94+5*200)	1194	266	283	6.70	279
		Paricha TPS (2*110+2*220+2*250)	1160	485	573	13.60	567
		Panki TPS (2*105)	210	131	131	3.10	129
Harduaganj TPS (1*60+1*105+2*250)		665	406	420	9.90	413	
Tanda TPS (NTPC) (4*110)		440	274	200	5.37	224	
Roza TPS (IPP) (4*300)		1200	820	572	15.30	638	
Anpara-C (IPP) (2*600)		1200	1023	639	20.20	842	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	171	171	4.10	171	
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	4791	4281	107	4457	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	6.30	263	
Alaknanda(4*82.5)		330	255	340	6.90	288	
Other Hydro		527	93	51	1.96	82	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	5624	5157	123	5139	
Uttarakhand		Total Hydro	1398	911	941	21.56	898
		Total Gas	225	0	0	0.00	0
	Total Uttarakhand	1623	911	941	22	898	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	153	75	3.18	133	
	Pragati Gas Turbine (2x104+ 1x122)	330	153	148	3.18	133	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	253	6.02	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	320	320	6.97	290	
	Thermal (Total)	2917	875	796	19.36	807	
	Total Delhi	2917	875	796	19.36	807	
HP	Baspa HPS (IPP) (3*100)	300	330	330	7.68	320	
	Malana HPS (IPP) (2*43)	86	97	101	2.34	98	
	Other Hydro	878	642	643	14.99	625	
	Total HP	1264	1069	1074	25.02	1042	
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733	
	Other Hydro/IPP	560	209	140	4.65	194	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1500	942	873	22.25	927	
Total State Control Area Generation		47619	18291	17557	420.91	17538	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8698	7255	177.40	7392	
Total Regional Availability(Gross)		72856	47941	42935	1041.39	43391	
IV. Total Hydro Generation:							
Regional Entities Hydro		12234	11694	10200	256.98	10708	
State Control Area Hydro		7106	4342	4355	99.58	4149	
Total Regional Hydro		19340	16036	14555	356.56	14857	

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhyachal(HVDC B/B)	0	0	0	0	0.00	0.00	0.00
765 KV Gwalior-Agra (D/C)	2520	1763	2718	0	44.68	0.00	44.68
400 KV Zerda-Kankroli	183	-61	183	191	0.00	0.00	0.00
400 KV Zerda-Bhinmal	-191	70	232	192	0.37	0.00	0.37
220 KV Auraiya-Malanpur	-34	-31	0	0	0.00	0.61	-0.61
220 KV Badod-Kota/Morak	120	46	86	23	2.11	0.00	2.11
Mundra-Mohindergarh(HVDC Bipole)	1897	2003	2205	0.00	49.61	0.00	49.61
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1052	546	1148	0	18.43	0.00	18.43
Sub Total WR	5547	4336			115.20	0.61	114.59
Pusauli Bypass/HVDC	111	155	0	155	0.00	2.53	-2.53
400 KV MZP- GKP (D/C)	234	352	450	0	8.22	0.00	8.22
400 KV Patna-Balia(D/C) X 2	601	406	608	0	11.76	0.00	11.76
400 KV B'Sharif-Balia (D/C)	150	170	255	0	4.02	0.00	4.02
765 KV Gaya-Balia	278	244	336	0	2.93	0.00	2.93
765 KV Gaya-Varanasi (D/C)	538	323	616	0	9.31	0.00	9.31
220 KV Pusauli-Sahupuri	215	194	215	0	4.64	0.00	4.64
132 KV K'nasa-Sahupuri	-24	-20	0	32	0.00	0.56	-0.56
132 KV Son Ngr-Rihand	-15	-13	0	30	0.00	0.38	-0.38
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	28	41	93	0	1.30	0.00	1.30
400 KV Barh -GKP (D/C)	510	488	520	0	10.00	0.00	10.00
400 kV B'Sharif - Varanasi (D/C)	45	94	154	0	2.63	0.00	2.63
Sub Total ER	2671	2434			54.81	3.47	51.34
+/- 800 KV BiswanathCharialli-Agra	480	485	488	0.00	11.47	0.00	11.47
Sub Total NER	480	485			11.47	0.00	11.47
Total IR Exch	8698	7255			181.48	4.08	177.40

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
30.14	3.31	33.45	11.49	19.01	1.86	2.81	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
46.80	121.91	168.71	62.81	114.59	177.40	16.01	-7.32	8.69

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-30	-23	0	31	0	1	-0.56

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	1.61	35.78	72.86	21.88	3.75	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)		
50.19	6.03	49.83	11.26	50.02	0.029	50.23	50.02	27.14	

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	412	3:58	403	20:18	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	6:02	404	20:33	0.0	0.0	15.6	0.0	15.6
Bareilly(PG)400kV	400	424	6:00	403	20:20	0.0	0.0	14.6	0.0	14.6
Kanpur	400	424	5:45	401	19:44	0.0	0.0	13.6	0.0	13.6
Dadri	400	421	6:01	400	19:44	0.0	0.0	0.3	0.0	0.3
Ballabgarh	400	428	6:00	403	19:40	0.0	0.0	28.0	0.0	28.0
Bawana	400	422	5:34	401	19:46	0.0	0.0	3.5	0.0	3.5
Bassi	400	422	3:41	400	19:46	0.0	0.0	1.7	0.0	1.7
Hissar	400	417	6:00	393	19:46	0.0	0.0	0.0	0.0	0.0
Moga	400	412	5:02	393	19:56	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	416	5:34	398	19:37	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	412	4:01	399	19:27	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	3:34	391	20:08	0.0	0.0	0.0	0.0	0.0
Amritsar	400	415	5:06	400	19:39	0.0	0.0	0.0	0.0	0.0
Kashipur	400	422	5:43	413	19:40	0.0	0.0	14.2	0.0	14.2
Hamirpur	400	404	4:58	391	11:08	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	420	6:10	400	20:20	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)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	780	6:01	735	19:45	0.0	6.2	0.0	0.0	0.0
Balia	765	798	6:02	757	20:37	0.0	0.0	0.0	0.0	0.0
Moga	765	802	6:00	764	19:44	0.0	0.0	2.0	0.0	2.0
Agra	765	794	6:03	746	19:54	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	6:02	764	19:45	0.0	0.0	4.6	0.0	4.6
Unnao	765	784	6:02	741	20:37	0.0	0.0	0.0	0.0	0.0
Lucknow	765	810	6:02	766	20:35	0.0	0.0	20.2	0.0	20.2
Meerut	765	815	6:00	770	19:46	0.0	0.0	29.5	0.0	29.5
Jhatikara	765	778	0:00	778	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	802	6:06	761	20:20	0.0	0.0	0.9	0.0	0.9
Anta	765	798	7:33	771	22:47	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	3:25	760	19:56	0.0	0.0	0.0	0.0	0.0

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	485.71	610.73	502.41	1192.70	1120.13	756.12
Pong	426.72	384.05	402.24	273.51	415.63	705.67	1489.66	142.94
Tehri	829.79	740.04	790.25	453.12	792.90	498.30	742.94	540.00
Koteswar	612.50	598.50	609.78	4.51	610.08	4.57	540.00	554.47
Chamera-I	760.00	748.75	755.01	0.00	0.00	0.00	314.62	356.84
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1150.00	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	507.41	5.93	522.69	10.77	379.45	267.85

* 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	1363	360	0	1247	195	0	30.39	9.58	39.97
Delhi	447	-203	0	803	-496	0	16.52	-7.93	8.60
Haryana	1897	326	0	1728	296	0	40.52	5.67	46.18
HP	-1497	-212	0	-1224	-333	0	-31.53	-5.96	-37.49
J&K	-729	-403	0	-653	-15	0	-17.07	-2.71	-19.78
CHD	0	-30	0	0	-40	0	0.35	-0.53	-0.17
Rajasthan	-296	577	0	-194	25	0	-5.16	12.32	7.16
UP	888	391	0	599	587	0	15.44	4.69	20.13
Uttarakhand	-348	133	0	-346	338	0	-8.37	5.10	-3.27
Total	1726	939	0	1959	556	0	41.09	20.24	61.34

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1419	1194	646	195	0	0
Delhi	854	446	-160	-528	0	0
Haryana	1933	1420	341	-136	0	0
HP	-1218	-1499	-70	-344	0	0
J&K	-628	-779	0	-403	0	0
CHD	44	0	0	-50	0	0
Rajasthan	-194	-296	579	25	0	0
UP	910	514	587	0	0	0
Uttarakhand	-346	-353	338	133	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	1.04%

(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 30.07.2016 :

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.