

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पब्लिसिटी की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.08.2016

Date of Reporting : 30.08.2016

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
41423	762	42185	0.00	39287	863	40150	50.11	958.2	14.48

* 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	27.52	12.55		40.07	105.62	106.31	0.69	146.38	0.00
Haryana	12.36	0.94		13.30	124.08	118.36	-5.72	131.66	0.00
Rajasthan	68.17	7.79	2.27	78.23	68.59	69.11	0.52	147.33	0.00
Delhi	21.35			21.35	84.11	83.02	-1.09	104.37	0.04
UP	131.80	24.82		156.62	167.80	168.03	0.23	324.64	5.72
Uttarakhand		20.84		24.02	14.27	14.76	0.49	38.78	0.00
HP		24.72		24.72	-1.52	-0.19	1.33	24.52	0.00
J & K		21.99	0.00	21.99	17.23	12.90	-4.33	34.89	8.72
Chandigarh				0.00	6.11	5.59	-0.52	5.59	0.00
Total	261.19	113.65	2.27	380.29	586.29	577.88	-8.41	958.17	14.48

* 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	6314	0	136	765	5605	0	74	1265	6415	11:00	0
Haryana	5995	0	-192	2590	5621	0	-522	2364	6277	21:00	0
Rajasthan	7080	0	-46	390	5810	0	-37	403	7193	21:00	0
Delhi	4349	4	-17	506	4416	0	24	293	5092	16:00	1
UP	12744	290	-43	640	14415	635	361	1535	14601	4:00	965
Uttarakhand	1732	0	8	-84	1467	0	-34	-155	1750	19:00	0
HP	1099	0	101	-1738	829	0	30	-1735	1185	8:00	0
J&K	1871	468	21	-598	910	228	-300	-834	1871	20:00	468
Chandigarh	240	0	-32	-15	213	0	-12	-10	268	13:00	0
Total	41423	762	-64	2455	39287	863	-415	3126	42147	21:00	447

* 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	
								Net MU	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1679	1756	1748	38.23	1593	38.00		0.23
Rihand I STPS (2*500)	1000	933	957	731	20.06	836	20.09		-0.04
Rihand II STPS (2*500)	1000	963	979	734	19.35	806	18.68		0.67
Rihand III STPS (2*500)	1000	963	909	733	19.77	824	19.81		-0.03
Dadri I STPS (4*210)	840	805	626	600	13.41	559	13.44		-0.04
Dadri II STPS (2*490)	980	960	924	724	16.71	696	17.68		-0.97
Unchahar I TPS (2*210)	420	376	363	259	6.37	265	7.09		-0.72
Unchahar II TPS (2*210)	420	400	354	297	6.85	285	7.25		-0.40
Unchahar III TPS (1*210)	210	200	188	132	3.33	139	3.67		-0.34
ISTPP (Jhajjar) (3*500)	1500	1425	1059	913	20.41	850	20.12		0.28
Dadri GPS (4*130.19+2*154.51)	830	792	295	356	6.89	287	7.19		-0.31
Anta GPS (3*88.71+1*153.2)	419	369	-4	-2	0.20	8	0.24		-0.04
Auraiya GPS (4*111.19+2*109.30)	663	626	148	40	2.88	120	2.97		-0.10
Dadri Solar(5)	5	1	0	0	0.01	1	0.02		-0.01
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	20.67	861	20.52		0.15
Sub Total (A)	12112	11351	9411	8122	195	8135	197		-1.66
B. NPC									
NAPS (2*220)	440	382	423	421	9.14	381	9.17		-0.03
RAPS- B (2*220)	440	365	408	412	8.77	365	8.76		0.01
RAPS- C (2*220)	440	395	431	434	9.25	386	9.48		-0.23
Sub Total (B)	1320	1142	1262	1267	27.16	1132	27.41		-0.25
C. NHPC									
Chamera I HPS (3*180)	540	540	546	554	13.23	551	12.96		0.27
Chamera II HPS (3*100)	300	301	306	302	7.26	303	7.22		0.04
Chamera III HPS (3*77)	231	225	226	229	5.41	226	5.41		0.00
Bairasuli HPS(3*60)	180	179	175	123	2.88	120	2.83		0.05
Salal-HPS (6*115)	690	452	678	0	11.15	465	10.67		0.48
Tanakpur-HPS (3*31.4)	94	90	95	94	2.28	95	2.17		0.11
Uri-I HPS (4*120)	480	419	459	371	10.46	436	10.10		0.36
Uri-II HPS (4*60)	240	237	242	239	5.75	240	5.69		0.06
Dhauliganga-HPS (4*70)	280	210	208	209	5.06	211	5.04		0.02
Dulhasi-HPS (3*130)	390	383	401	394	9.28	387	9.18		0.10
Sewa-II HPS (3*40)	120	119	113	0	2.23	93	2.20		0.03
Parbati 3 (4*130)	520	385	391	131	5.25	219	5.17		0.08
Sub Total (C)	4065	3540	3840	2648	80	3343	79		1.60
D. SJVNL									
NJPC (6*250)	1500	1605	1601	1604	38.47	1603	38.52		-0.05
Rampur HEP (6*68.67)	412	442	445	443	10.70	446	10.61		0.09
Sub Total (D)	1912	2047	2046	2047	49.16	2048	49.13		0.04
E. THDC									
Tehri HPS (4*250)	1000	1071	1057	536	13.72	572	13.11		0.61
Koteshwar HPS (4*100)	400	200	403	184	4.81	201	4.79		0.02
Sub Total (E)	1400	1271	1460	720	18.53	772	17.90		0.63
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	718	1147	619	16.97	707	17.23		-0.26
Dehar HPS (6*165)	990	603	825	560	14.67	611	14.48		0.19
Pong HPS (6*66)	396	80	198	66	1.88	78	1.91		-0.04
Sub Total (F)	2765	1401	2170	1245	33.52	1397	33.62		-0.10
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	206	187	4.40	183	4.84		-0.44
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.24	1093	26.08		0.15
Malana Stg-II HPS (2*50)	100	0	109	110	2.50	104	2.40		0.10
Shree Cement TPS (2*150)	300	0	250	163	4.65	194	4.88		-0.23
Budhil HPS(IPP) (2*35)	70	0	76	75	1.77	74	1.75		0.02
Sub Total (G)	1662	0	1741	1635	39.56	1648	39.95		-0.39
H. Total Regional Entities (A-G)	25237	20751	21929	17683	443.40	18475	443.53		-0.13

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	0	160	2.18	91	
	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	-0.03	-1	
	Rajpura (2*700)	1400	960	660	18.07	753	
	Talwandi Saboo (3*660)	1980	308	308	7.52	313	
	Thermal (Total)	6560	1268	1128	27.52	1147	
	Total Hydro	1000	556	512	12.55	523	
	Total Punjab	7560	1824	1640	40.07	1670	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	0	480	4.89	204	
Faridabad GPS (NTPC)(2*137.75+1*156)		432	316	311	7.47	311	
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	316	791	12.36	515	
Total Hydro		62	36	39	0.94	39	
Total Haryana		4559	352	830	13.30	554	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	667	646	16.38	682
	suratgarh TPS (6*250)	1500	203	386	4.43	185	
	Chabra TPS (4*250)	1000	560	365	9.92	414	
	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	143	146	3.54	147	
	RAPS A (NPC) (1*100+1*200)	300	163	161	4.05	169	
	Barsingsar (NLC) (2*125)	250	226	227	5.33	222	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	755	445	12.51	521	
	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	614	443	12.02	501	
	Thermal (Total)	8876	3331	2819	68	2840	
	Total Hydro	550	300	306	7.79	325	
	Wind power	3214	76	52	1.97	82	
	Biomass	99	12	12	0.29	12	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	88	64	2.27	94	
	Total Rajasthan	13469	3719	3189	78.23	3260	
	UP	Anpara TPS (3*210+2*500)	1630	821	899	20.80	867
Obra TPS (2*50+2*94+5*200)		1194	313	317	7.47	311	
Paricha TPS (2*110+2*220+2*250)		1160	655	874	19.56	815	
Panki TPS (2*105)		210	117	135	3.11	130	
Harduaganj TPS (1*60+1*105+2*250)		665	450	508	12.02	501	
Tanda TPS (NTPC) (4*110)		440	268	278	6.45	269	
Roza TPS (IPP) (4*300)		1200	868	1103	25.45	1060	
Anpara-C (IPP) (2*600)		1200	792	491	14.81	617	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	281	403	8.76	365	
Anpara-D(2*500)		1000	0	0	2.80	117	
Lalitpur TPS(3*660)		1980	371	372	9.37	390	
Bara(2*660)		1320	0	0	0.00	0	
Thermal (Total)		12449	4936	5380	131	5442	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.47	436	
Alaknanda(4*82.5)		330	337	337	8.03	334	
Other Hydro		527	288	290	6.32	263	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	6046	6492	157	6526	
Uttarakhand		Total Hydro	1398	967	998	20.84	868
		Total Gas	225	102	133	3.18	133
	Total Uttarakhand	1623	1069	1131	24	1001	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	93	51	1.77	74	
	Pragati Gas Turbine (2x104+ 1x122)	330	264	269	6.47	270	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	248	253	6.03	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	332	328	7.08	295	
	Thermal (Total)	2917	937	901	21.35	889	
	Total Delhi	2917	937	901	21.35	889	
HP	Baspa HPS (IPP) (3*100)	300	331	331	7.84	327	
	Malana HPS (IPP) (2*43)	86	98	102	2.36	98	
	Other Hydro	878	585	630	14.51	605	
	Total HP	1264	1014	1063	24.72	1030	
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	15876	16165	380.29	15845	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			6338	7094	156.89	6537	
Total Regional Availability(Gross)		72856	44143	40942	980.58	40857	

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11788	8913	235.26	9803
State Control Area Hydro		7106	4950	5032	113.65	4868
Total Regional Hydro		19340	16738	13945	348.91	14670

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	9.28	-9.28
765 KV Gwalior-Agra (D/C)	2114	2248	2937	0	53.51	0.00	53.51
400 KV Zerda-Kankroli	-3	-42	20	140	0.00	1.32	-1.32
400 KV Zerda-Bhinmal	10	-2	69	108	0.00	0.49	-0.49
220 KV Auraiya-Malanpur	0	-26	0	89	0.00	0.01	-0.01
220 KV Badod-Kota/Morak	37	9	53	-48	0.26	0.00	0.26
Mundra-Mohinderghar(HVDC Bipole)	1702	2197	2205	0.00	45.98	0.00	45.98
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1076	865	1187	0	22.13	0.00	22.13
Sub Total WR	4436	4749			121.87	11.10	110.77
Pusauli Bypass/HVDC	250	250	250	0	6.06	0.00	6.06
400 KV MZP- GKP (D/C)	38	294	406	38	5.85	0.00	5.85
400 KV Patna-Balia(D/C) X 2	159	261	362	0	5.92	0.00	5.92
400 KV B'Sharif-Balia (D/C)	-46	56	151	46	1.12	0.00	1.12
765 KV Gaya-Balia	205	286	299	0	3.07	0.00	3.07
765 KV Gaya-Varanasi (D/C)	237	338	391	0	7.33	0.00	7.33
220 KV Pusauli-Sahupuri	190	199	209	0	4.38	0.00	4.38
132 KV K'nasa-Sahupuri	36	-28	0	36	0.00	0.54	-0.54
132 KV Son Ngr-Rihand	36	-36	0	37	0.00	0.80	-0.80
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-350	-329	0	376	0.00	7.16	-7.16
400 KV Barh -GKP (D/C)	304	316	350	0	6.64	0.00	6.64
400 kV B'Sharif - Varanasi (D/C)	172	67	159	145	0.00	1.85	-1.85
Sub Total ER	1231	1674			40.37	10.35	30.02
+/- 800 KV BiswanathChariali-Agra	671	671	687	0.00	16.10	0.00	16.10
Sub Total NER	671	671			16.10	0.00	16.10
Total IR Exch	6338	7094			178.34	21.45	156.89

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
30.77	3.48	34.25	37.96	15.29	-7.37	-0.21	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
64.84	113.78	178.63	46.11	110.77	156.89	-18.73	-3.01	-21.74

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	-25	-28	0	31	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	0.03	2.95	41.90	73.41	20.36	3.38	0.03	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	13.01	49.80	12.41	50.01	0.031	0.055	50.20	0.00	26.59

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	500.48	1114.30	510.86	1590.18	1094.93	502.79
Pong	426.72	384.05	416.73	743.22	422.75	1020.81	686.54	113.69
Tehri	829.79	740.04	817.85	959.25	816.75	937.25	456.37	307.00
Koteswar	612.50	598.50	810.61	4.95	610.22	4.69	307.00	317.40
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	322.51	358.58
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1157.00	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	521.01	5.57	520.38	13.36	381.32	209.89

* 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	1249	16	0	738	27	0	30.21	0.42	30.63
Delhi	483	-190	0	750	-244	0	17.54	-4.40	13.14
Haryana	2067	284	13	2260	316	14	46.67	5.57	52.23
HP	-1218	-516	0	-1223	-516	0	-26.76	-11.67	-38.42
J&K	-583	-251	0	-583	-15	0	-15.43	-1.33	-16.76
CHD	0	-10	0	0	-15	0	0.36	-0.13	0.23
Rajasthan	-129	528	4	-129	514	4	-3.08	12.98	9.90
UP	946	589	0	640	0	0	16.63	4.64	21.27
Uttarakhand	-126	-29	0	-126	42	0	-3.02	1.14	-1.88
Total	2689	419	18	2327	110	18	63.11	7.22	70.33

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1507	731	82	1	0	0
Delhi	911	483	178	-439	0	0
Haryana	2269	1752	364	-185	14	13
HP	-939	-1223	-423	-523	0	0
J&K	-583	-734	50	-266	0	0
CHD	44	0	10	-20	0	0
Rajasthan	-129	-129	560	513	4	4
UP	956	542	687	0	0	0
Uttarakhand	-126	-126	151	-104	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 29.08.2016 :

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.