

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
(पब्लिसिटी की पूर्ण स्वायत्तता प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GOI188682
Power Supply Position in Northern Region for 15.08.2016
Date of Reporting : 16.08.2016

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
43876	447	44324	50.06	40831	205	41036	50.08	971.4	8.14

* 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	59.14	16.03		75.17	130.14	130.76	0.63	205.93	0.00
Haryana	5.69	1.00		6.70	141.39	139.08	-2.31	145.77	0.00
Rajasthan	61.53	2.40	33.74	97.67	59.83	61.25	1.41	158.92	0.00
Delhi	18.32			18.32	66.65	66.24	-0.41	84.56	0.02
UP	115.86	19.90		135.76	154.67	153.10	-1.57	288.86	0.00
Uttarakhand		20.72		20.93	11.39	8.11	-3.28	29.04	0.00
HP		24.62		24.62	-4.33	-3.57	0.76	21.05	0.00
J & K		21.97	0.00	21.97	15.64	10.50	-5.15	32.46	8.12
Chandigarh				0.00	5.91	4.82	-1.09	4.82	0.00
Total	260.54	106.64	33.74	401.13	581.29	570.28	-11.00	971.41	8.14

* 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	9140	0	4	1803	7897	0	-234	1216	9530	22:00	0
Haryana	6755	0	-94	1988	6181	0	-206	1994	7428	22:00	0
Rajasthan	6802	0	43	-448	6656	0	3	322	7490	24:00	0
Delhi	3290	0	-221	266	3851	0	247	245	4779	24:00	0
UP	13572	0	-150	1181	13044	0	-277	1412	14175	22:00	0
Uttarakhand	1402	0	-14	-43	1352	0	15	-289	1413	6:00	0
HP	889	0	25	-1802	847	0	136	-1811	1059	7:00	0
J&K	1790	447	-11	-647	820	205	-383	-1081	1790	20:00	447
Chandigarh	237	0	-21	-60	183	0	-31	-30	254	22:00	0
Total	43876	447	-439	2238	40831	205	-728	1979	46674	22:00	404

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

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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	1828	1866	1823	37.22	1551	37.16		0.06
Rihand I STPS (2*500)	1000	630	802	430	11.85	494	12.26		-0.41
Rihand II STPS (2*500)	1000	947	993	681	17.16	715	17.24		-0.07
Rihand III STPS (2*500)	1000	947	1026	753	17.26	719	17.62		-0.36
Dadri I STPS (4*210)	840	805	171	136	3.77	157	3.69		0.08
Dadri II STPS (2*490)	980	960	666	661	16.19	675	16.71		-0.52
Unchahar I TPS (2*210)	420	349	365	219	5.93	247	6.48		-0.54
Unchahar II TPS (2*210)	420	400	373	292	6.79	283	7.26		-0.48
Unchahar III TPS (2*210)	210	200	148	131	3.00	125	3.48		-0.48
ISTPP (Jhajjar) (3*500)	1500	1425	640	606	13.94	581	14.26		-0.32
Dadri GPS (4*130.19+2*154.51)	830	767	277	353	6.59	274	6.81		-0.23
Anta GPS (3*88.71+1*153.2)	419	409	196	212	5.52	230	4.96		0.56
Auraiya GPS (4*111.19+2*109.30)	663	634	154	151	3.36	140	3.27		0.09
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	0	0	0	0.00	0	0.01		-0.01
Singrauli Solar(15)	15	2	0	0	0.00	0	0.04		-0.04
KHEP(4*200)	800	855	852	851	20.54	856	20.52		0.02
Sub Total (A)	12112	11158	8529	7299	169	7047	172		-2.66
B. NPC									
NAPS (2*220)	440	388	422	425	9.26	386	9.31		-0.05
RAPS- B (2*220)	440	179	204	204	4.31	180	4.30		0.01
RAPS- C (2*220)	440	390	435	435	9.43	393	9.36		0.07
Sub Total (B)	1320	957	1061	1064	23.00	958	22.97		0.03
C. NHPC									
Chamera I HPS (3*180)	540	540	545	545	13.00	542	12.95		0.05
Chamera II HPS (3*100)	300	301	309	301	7.24	301	7.22		0.01
Chamera III HPS (3*77)	231	229	231	232	5.49	229	5.50		-0.01
Bairasuli HPS(3*60)	180	110	174	0	2.61	109	2.60		0.01
Salal-HPS (6*115)	690	647	672	671	15.80	658	15.54		0.26
Tanakpur-HPS (3*31.4)	94	90	93	95	2.26	94	2.17		0.09
Uri-I HPS (4*120)	480	415	423	415	10.10	421	9.96		0.14
Uri-II HPS (4*60)	240	238	241	1241	5.74	239	5.70		0.04
Dhauliganga-HPS (4*70)	280	272	282	283	6.54	272	6.53		0.01
Dulhasi-HPS (3*130)	390	381	379	388	9.20	383	9.14		0.06
Sewa-II HPS (3*40)	120	124	125	128	3.01	125	2.97		0.04
Parbati 3 (4*130)	520	517	517	0	5.72	238	5.85		-0.14
Sub Total (C)	4065	3864	3991	4299	87	3612	86		0.57
D. SJVNL									
NJPC (6*250)	1500	1605	1612	1619	38.25	1594	38.52		-0.27
Rampur HEP (6*68.67)	412	439	428	441	10.53	439	10.53		0.00
Sub Total (D)	1912	2044	2040	2060	48.78	2033	49.04		-0.26
E. THDC									
Tehri HPS (4*250)	1000	1030	1036	1031	23.33	972	23.53		-0.20
Koteswar HPS (4*100)	400	358	392	364	8.46	352	8.50		-0.04
Sub Total (E)	1400	1388	1428	1395	31.79	1325	32.03		-0.24
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	869	1332	668	20.61	859	20.85		-0.24
Dehar HPS (6*165)	990	610	825	570	14.85	619	14.63		0.22
Pong HPS (6*66)	396	268	396	198	6.32	263	6.44		-0.12
Sub Total (F)	2765	1746	2553	1436	41.77	1741	41.92		-0.14
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	231	231	5.50	229	5.31		0.20
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.07	1086	26.08		-0.02
Malana Stg-II HPS (2*50)	100	0	112	112	2.63	110	2.49		0.14
Shree Cement TPS (2*150)	300	0	137	144	3.19	133	3.26		-0.08
Budhil HPS(IPP) (2*35)	70	0	74	74	1.75	73	1.65		0.10
Sub Total (G)	1662	0	1654	1660	39.14	1631	38.79		0.34
H. Total Regional Entities (A-G)	25237	21157	21256	19214	440.30	18346	442.66		-2.36

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	350	320	7.57	316	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	170	170	3.90	163	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	673	396	12.43	518	
	Goindwal(GVK) (2*270)	540	180	246	5.53	230	
	Rajpura (2*700)	1400	1050	1320	24.54	1023	
	Talwandi Saboo (3*660)	1980	308	0	5.18	216	
	Thermal (Total)	6560	2731	2452	59.14	2464	
	Total Hydro	1000	789	593	16.03	668	
	Total Punjab	7560	3520	3045	75.17	3132	
	Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	229	229	5.69	237	
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	229	229	5.69	237	
Total Hydro		62	40	39	1.00	42	
Total Haryana		4559	269	268	6.70	279	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	144	154	3.90	163
	suratgarh TPS (6*250)	1500	0	0	0.00	0	
	Chabra TPS (4*250)	1000	541	554	12.26	511	
	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	149	151	3.61	150	
	RAPS A (NPC) (1*100+1*200)	300	165	164	4.13	172	
	Barsingar (NLC) (2*125)	250	113	111	2.52	105	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	524	510	12.95	540	
	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	896	871	22.16	923	
	Thermal (Total)	8876	2532	2515	62	2564	
	Total Hydro	550	78	78	2.40	100	
	Wind power	3214	1570	1540	32.92	1372	
	Biomass	99	27	27	0.65	27	
	Solar	730	1	0	0.17	7	
	Renewable/Others (Total)	4043	1598	1567	33.74	1406	
	Total Rajasthan	13469	4208	4160	97.67	4070	
	UP	Anpara TPS (3*210+2*500)	1630	846	881	20.10	838
Obra TPS (2*50+2*94+5*200)		1194	245	234	5.70	238	
Paricha TPS (2*110+2*220+2*250)		1160	809	483	14.80	617	
Panki TPS (2*105)		210	126	131	3.20	133	
Harduaganj TPS (1*60+1*105+2*250)		665	437	403	8.60	358	
Tanda TPS (NTPC) (4*110)		440	380	369	7.66	319	
Roza TPS (IPP) (4*300)		1200	1098	1079	21.00	875	
Anpara-C (IPP) (2*600)		1200	1076	981	18.50	771	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	241	169	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	540	547	11.00	458	
Thermal (Total)		12449	5798	5277	115	4777	
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.50	438	
Alaknanda(4*82.5)		330	254	260	6.10	254	
Other Hydro		527	171	122	3.30	138	
Cogeneration		981	50	50	1.20	50	
Total UP		14727	6708	6144	136	5657	
Uttarakhand		Total Hydro	1398	859	864	20.72	863
		Total Gas	225	92	99	0.21	9
	Total Uttarakhand	1623	951	963	21	872	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	66	72	1.61	67	
	Pragati Gas Turbine (2x104+ 1x122)	330	149	153	3.69	154	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	252	6.12	255	
	Badarpur TPS (NTPC) (3*95+2*210)	705	301	311	6.90	287	
	Thermal (Total)	2917	769	788	18.32	763	
	Total Delhi	2917	769	788	18.32	763	
HP	Baspa HPS (IPP) (3*100)	300	320	320	7.53	314	
	Malana HPS (IPP) (2*43)	86	105	106	2.52	105	
	Other Hydro	878	635	595	14.58	607	
	Total HP	1264	1060	1021	24.62	1026	
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	18399	17307	401.13	16714	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			7167.93	6068.76	143.72	5988	
Total Regional Availability(Gross)		72856	46823	42589	985.15	41048	
IV. Total Hydro Generation:							
Regional Entities Hydro		12234	12307	11484	263.77	10991	
State Control Area Hydro		7106	4692	4429	106.85	4452	
Total Regional Hydro		19340	16999	15913	370.63	15443	

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	6.11	-6.11
765 KV Gwalior-Agra (D/C)	2117	1572	2304	0	38.58	0.00	38.58
400 KV Zerda-Kankroli	189	-2	236	173	1.50	0.00	1.50
400 KV Zerda-Bhinmal	173	-39	197	219	1.19	0.00	1.19
220 KV Auraiya-Malanpur	-41	-50	0	82	0.00	0.88	-0.88
220 KV Badod-Kota/Morak	131	142	136	1	3.65	0.00	3.65
Mundra-Mohindergarh(HVDC Bipole)	1097	1497	1504	0.00	29.10	0.00	29.10
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	750	672	926	0	16.67	0.00	16.67
Sub Total WR	4166	3542			90.69	6.99	83.70
Pusauli Bypass/HVDC	-108	-122	0	179	0.00	2.63	-2.63
400 KV MZP- GKP (D/C)	384	264	518	0	7.99	0.00	7.99
400 KV Patna-Balia(D/C) X 2	575	410	587	0	11.48	0.00	11.48
400 KV B'Sharif-Balia (D/C)	247	144	313	0	4.40	0.00	4.40
765 KV Gaya-Balia	67	315	375	0	3.49	0.00	3.49
765 KV Gaya-Varanasi (D/C)	598	349	598	0	9.09	0.00	9.09
220 KV Pusauli-Sahupuri	193	186	202	0	4.09	0.00	4.09
132 KV K'nasa-Sahupuri	-24	-20	0	26	0.00	0.45	-0.45
132 KV Son Ngr-Rihand	-26	-16	0	26	0.00	0.35	-0.35
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	63	-35	120	97	0.00	0.46	-0.46
400 KV Barh -GKP (D/C)	512	432	512	0	9.71	0.00	9.71
400 kV B'Sharif - Varanasi (D/C)	38	139	201	0	2.08	0.00	2.08
Sub Total ER	2519	2046			52.33	3.88	48.45
+/- 800 KV BiswanathCharialli-Agra	483	481	488	0.00	11.57	0.00	11.57
Sub Total NER	483	481			11.57	0.00	11.57
Total IR Exch	7168	6069			154.59	10.87	143.72

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
34.28	3.73	38.02	40.61	9.56	-3.85	-14.52	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
74.77	81.27	156.04	60.02	83.70	143.72	-14.76	2.43	-12.32

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	-29	-21	0	32	0	1	-0.58

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	0.73	33.23	63.84	25.27	10.12	0.10	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	8.14	49.88	4.48	50.03	0.041	50.21	50.00	36.16	

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	412	6:43	402	21:06	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	6:48	401	19:50	0.0	0.0	3.8	0.0	3.8
Bareilly(PG)400kV	400	421	6:02	398	21:17	0.0	0.0	0.3	0.0	0.3
Kanpur	400	422	6:00	399	19:49	0.0	0.0	2.4	0.0	2.4
Dadri	400	420	8:13	397	21:06	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	428	8:10	401	19:52	0.0	0.0	48.3	0.0	48.3
Bawana	400	422	6:00	400	19:46	0.0	0.0	7.9	0.0	7.9
Bassi	400	422	18:02	397	22:22	0.0	0.0	0.9	0.0	0.9
Hissar	400	417	6:02	391	19:48	0.0	0.0	0.0	0.0	0.0
Moga	400	412	5:58	394	19:47	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	415	6:02	396	19:52	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	416	8:14	403	19:54	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	414	5:58	400	20:25	0.0	0.0	0.0	0.0	0.0
Wagoora	400	412	1:31	388	20:23	0.0	2.1	0.0	0.0	0.0
Amritsar	400	420	10:00	402	19:46	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	0:00	418	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	411	0:16	409	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	418	6:06	395	21:09	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	789	6:02	744	19:53	0.0	0.0	0.0	0.0	0.0
Balia	765	796	6:01	758	19:53	0.0	0.0	0.0	0.0	0.0
Moga	765	795	6:01	757	19:47	0.0	0.0	0.0	0.0	0.0
Agra	765	796	6:01	749	19:51	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	782	6:01	741	19:52	0.0	0.1	0.0	0.0	0.0
Lucknow	765	799	6:02	757	19:52	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	6:02	766	19:49	0.0	0.0	40.5	0.0	40.5
Jhatikara	765	804	6:01	759	19:49	0.0	0.0	5.0	0.0	5.0
Bareilly 765 kV	765	794	6:01	753	19:52	0.0	0.0	0.0	0.0	0.0
Anta	765	796	6:02	758	20:29	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	6:02	762	19:43	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	496.22	948.89	508.59	1485.27	1328.82	648.77
Pong	426.72	384.05	414.41	656.23	421.47	961.02	909.14	391.85
Tehri	829.79	740.04	809.30	782.78	811.35	822.28	734.29	546.00
Koteshwar	612.50	598.50	610.00	4.69	610.01	4.69	546.00	558.14
Chamera-I	760.00	748.75	758.11	0.00	0.00	0.00	443.05	356.34
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	517.72	4.69	524.07	14.08	447.35	219.29

* 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	132	0	898	905	0	28.94	15.28	44.22
Delhi	480	-235	0	648	-383	0	16.53	-11.49	5.05
Haryana	2038	-56	13	1795	180	13	44.91	2.15	47.06
HP	-1344	-467	0	-1319	-483	0	-30.38	-11.35	-41.73
J&K	-582	-499	0	-632	-15	0	-15.13	-4.67	-19.80
CHD	0	-30	0	0	-60	0	0.36	-0.59	-0.23
Rajasthan	-129	451	0	-129	-320	0	-3.09	7.76	4.67
UP	1019	393	0	592	589	0	16.19	3.93	20.12
Uttarakhand	-129	-160	0	-129	87	0	-3.11	-1.79	-4.90
Total	2438	-472	13	1725	501	13	55.23	-0.77	54.46

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1570	623	1177	132	0	0
Delhi	901	480	-138	-710	0	0
Haryana	2123	1732	244	-207	13	13
HP	-1065	-1344	-393	-562	0	0
J&K	-582	-783	0	-514	0	0
CHD	44	0	0	-80	0	0
Rajasthan	-129	-129	451	-320	0	0
UP	1029	530	589	0	0	0
Uttarakhand	-129	-129	88	-239	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 15.08.2016 :

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.