पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 16.08.2016
Date of Reporting : 17.08.2016

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
46875	530	47404	50.04	41796	299	42096	50.13	1044.7	9.63

* 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:

UI [OD:(+ve), UD: (-ve)]

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	79.00	16.00		95.00	126.75	126.84	0.08	221.84	0.00
Haryana	10.89	0.98		11.86	152.88	151.83	-1.05	163.69	0.01
Rajasthan	68.72	1.15	35.67	105.54	66.06	67.19	1.14	172.73	0.00
Delhi	19.90			19.90	83.50	83.93	0.42	103.82	0.09
UP	116.70	21.00		137.70	142.58	141.56	-1.02	279.26	0.00
Uttarakhand		19.95		21.57	13.93	15.10	1.17	36.67	0.49
HP		23.90		23.90	-1.35	0.70	2.05	24.59	0.00
J & K		21.97	0.00	21.97	16.61	14.23	-2.38	36.20	9.05
Chandigarh				0.00	6.19	5.89	-0.30	5.89	0.00
Total	**295.19**	**104.94**	**35.67**	**437.42**	**607.15**	**607.26**	**0.12**	**1044.69**	9.63

* Shortage furnished by the respective constituent.$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

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	9440	0	40	1132	8422	0	75	1619	10010	15:00	0
Haryana	7711	2	-229	2387	6697	0	-72	2280	8376	21:00	45
Rajasthan	7442	0	-214	357	7069	0	222	348	8143	24:00	0
Delhi	4579	4	-54	578	3991	0	154	213	5253	24:00	0
UP	12820	0	-84	635	12244	0	-369	860	13027	1:00	0
Uttarakhand	1693	75	36	-170	1254	0	-18	-244	1693	20:00	75
HP	1120	0	149	-1774	731	0	-4	-1824	1205	10:00	0
J&K	1796	449	121	-648	1197	299	-18	-1082	1796	20:00	449
Chandigarh	274	0	4	-60	191	0	-35	-40	302	16:00	0
Total	**46875**	**530**	**-232**	**2435**	**41796**	**299**	**-65**	**2131**	**48002**	**21:00**	**567**

* 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 :

UI [OG:(+ve), UG: (-ve)]

	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1672	1767	1319	36.56	1523	35.50	1.06
	Rihand I STPS (2*500)	1000	857	795	718	16.58	691	16.39	0.19
	Rihand II STPS (2*500)	1000	954	894	708	18.47	770	18.24	0.22
	Rihand III STPS (2*500)	1000	954	915	668	18.23	760	18.39	-0.16
	Dadri I STPS (4*210)	840	805	208	166	4.19	175	4.17	0.03
	Dadri II STPS (2*490)	980	960	993	715	17.29	721	17.81	-0.52
	Unchahar I TPS (2*210)	420	398	416	295	7.18	299	7.83	-0.65
	Unchahar II TPS (2*210)	420	400	440	296	7.31	305	7.55	-0.24
	Unchahar III TPS (1*210)	210	200	220	133	3.36	140	3.74	-0.38
	ISTPP (Jhajjhar) (3*500)	1500	1425	941	603	15.16	632	15.44	-0.28
	Dadri GPS (4*130.19+2*154.51)	830	592	187	169	4.08	170	4.27	-0.19
	Anta GPS (3*88.71+1*153.2)	419	409	253	188	5.14	214	5.13	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	634	151	153	3.35	139	3.34	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.03	0.00
	Unchahar Solar(10)	10	1	0	0	0.00	0	0.01	-0.01
	Singrauli Solar(15)	15	1	0	0	0.00	0	0.02	-0.02
	KHEP(4*200)	800	855	851	851	20.54	856	20.52	0.02
	Sub Total (A)	**12112**	**11119**	**9031**	**6982**	**177**	**7394**	**178**	**-0.92**
B. NPC	NAPS (2*220)	440	388	423	427	9.21	384	9.31	-0.10
	RAPS- B (2*220)	440	179	205	205	4.30	179	4.30	0.01
	RAPS- C (2*220)	440	390	435	438	9.37	391	9.36	0.01
	Sub Total (B)	**1320**	**957**	**1063**	**1070**	**22.89**	**954**	**22.97**	**-0.08**
C. NHPC	Chamera I HPS (3*180)	540	540	548	531	13.05	544	12.96	0.09
	Chamera II HPS (3*100)	300	301	311	302	7.25	302	7.22	0.03
	Chamera III HPS (3*77)	231	229	232	234	5.51	230	5.50	0.01
	Bairasuil HPS(3*60)	180	141	172	121	3.22	134	3.36	-0.14
	Salal-HPS (6*115)	690	662	670	670	16.01	667	15.89	0.13
	Tanakpur-HPS (3*31.4)	94	88	95	96	2.25	94	2.12	0.13
	Uri-I HPS (4*120)	480	434	441	431	10.50	438	10.41	0.10
	Uri-II HPS (4*60)	240	237	1241	241	5.73	239	5.69	0.04
	Dhauliganga-HPS (4*70)	280	280	280	281	6.64	277	6.72	-0.08
	Dulhasti-HPS (3*130)	390	381	394	379	9.20	383	9.14	0.06
	Sewa-II HPS (3*40)	120	124	128	121	3.02	126	2.97	0.04
	Parbati 3 (4*130)	520	520	528	0	4.97	207	4.91	0.06
	Sub Total (C)	**4065**	**3937**	**5040**	**3407**	**87**	**3640**	**87**	**0.48**
D.SJVNL	NJPC (6*250)	1500	1605	1624	1590	38.38	1599	38.52	-0.14
	Rampur HEP (6*68.67)	412	402	441	414	9.77	407	9.65	0.13
	Sub Total (D)	**1912**	**2007**	**2065**	**2004**	**48.15**	**2006**	**48.17**	**-0.02**
E. THDC	Tehri HPS (4*250)	1000	1040	1040	1022	24.60	1025	24.96	-0.36
	Koteshwar HPS (4*100)	400	358	398	271	8.55	356	8.54	0.01
	Sub Total (E)	**1400**	**1398**	**1438**	**1293**	**33.14**	**1381**	**33.50**	**-0.36**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	879	1334	668	21.02	876	21.10	-0.09
	Dehar HPS (6*165)	990	609	825	560	14.81	617	14.62	0.19
	Pong HPS (6*66)	396	292	396	198	6.91	288	7.00	-0.09
	Sub Total (F)	**2765**	**1780**	**2555**	**1426**	**42.73**	**1780**	**42.72**	**0.01**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	225	231	5.09	212	5.31	-0.21
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.25	1094	26.08	0.17
	Malana Stg-II HPS (2*50)	100	0	112	112	2.64	110	2.49	0.14
	Shree Cement TPS (2*150)	300	0	22	146	4.35	181	4.56	-0.21
	Budhil HPS(IPP) (2*35)	70	0	75	73	1.74	72	1.75	-0.01
	Sub Total (G)	**1662**	**0**	**1534**	**1662**	**40.06**	**1669**	**40.19**	**-0.13**
H. Total Regional Entities (A-G)		**25237**	**21197**	**22725**	**17843**	**451.80**	**18825**	**452.82**	**-1.01**

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	630	360	10.32	430
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	210	170	3.98	166
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	925	591	16.24	677
	Goindwal(GVK) (2*270)	540	140	246	4.67	194
	Rajpura (2*700)	1400	1120	1320	31.12	1297
	Talwandi Saboo (3*660)	1980	514	535	12.68	528
	Thermal (Total)	**6560**	**3539**	**3222**	**79.00**	**3292**
	Total Hydro	1000	789	587	16.00	667
	Total Punjab	**7560**	**4328**	**3809**	**95.00**	**3958**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	268	232	5.94	248
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	190	0	1.93	80
	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	466	0	3.02	126
	Thermal (Total)	**4497**	**924**	**232**	**10.89**	**454**
	Total Hydro	62	41	41	0.98	41
	Total Haryana	**4559**	**965**	**273**	**11.86**	**494**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	157	142	3.79	158
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	611	564	13.87	578
	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	152	3.72	155
	RAPS A (NPC) (1*100+1*200)	300	164	165	4.11	171
	Barsingsar (NLC) (2*125)	250	114	114	2.64	110
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	803	507	15.41	642
	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	1221	920	25.19	1050
	Thermal (Total)	**8876**	**3219**	**2564**	**69**	**2863**
	Total Hydro	550	88	77	1.15	48
	Wind power	3214	1324	1719	35.01	1459
	Biomass	99	13	13	0.31	13
	Solar	730	1	0	0.36	15
	Renewable/Others (Total)	4043	1338	1732	35.67	1486
	Total Rajasthan	**13469**	**4645**	**4373**	**105.54**	**4397**
UP	Anpara TPS (3*210+2*500)	1630	885	852	20.00	833
	Obra TPS (2*50+2*94+5*200)	1194	239	240	5.70	238
	Paricha TPS (2*110+2*220+2*250)	1160	735	574	14.70	613
	Panki TPS (2*105)	210	131	126	3.10	129
	Harduaganj TPS (1*60+1*105+2*250)	665	433	354	8.50	354
	Tanda TPS (NTPC) (4*110)	440	373	367	8.10	337
	Roza TPS (IPP) (4*300)	1200	1080	1058	20.80	867
	Anpara-C (IPP) (2*600)	1200	963	936	18.40	767
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	243	169	4.30	179
	Anpara-D(2*500)	1000	0	0	0.00	0
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	547	542	11.90	496
	Thermal (Total)	**12449**	**5629**	**5218**	**115**	**4812**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
	Alaknanada(4*82.5)	330	254	253	6.10	254
	Other Hydro	527	253	219	4.40	183
	Cogeneration	981	50	50	1.20	50
	Total UP	**14727**	**6621**	**6175**	**138**	**5737**
Uttarakhand	Total Hydro	1398	804	830	19.95	831
	Total Gas	225	132	38	1.62	68
	Total Uttarakhand	**1623**	**936**	**868**	**22**	**899**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	65	67	1.67	69
	Pragati Gas Turbine (2x104+ 1x122)	330	262	153	5.11	213
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	288	252	6.20	258
	Badarpur TPS (NTPC) (3*95+2*210)	705	325	315	6.94	289
	Thermal (Total)	2917	940	787	19.90	829
	Total Delhi	**2917**	**940**	**787**	**19.90**	**829**
HP	Baspa HPS (IPP) (3*100)	300	331	301	7.72	322
	Malana HPS (IPP) (2*43)	86	105	105	2.51	105
	Other Hydro	878	520	653	13.66	569
	Total HP	**1264**	**956**	**1059**	**23.90**	**996**
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**	**20305**	**18262**	**437.42**	**18226**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6980**	**6842**	**171.46**	**7144**
Total Regional Availability(Gross)		**72856**	**50010**	**42947**	**1060.69**	**44195**

IV. Total Hydro Generation:

Regional Entities Hydro		**12234**	**13386**	**10424**	**265.90**	**11079**
State Control Area Hydro		**7106**	**4666**	**4457**	**106.56**	**4440**
Total Regional Hydro		**19340**	**18052**	**14881**	**372.46**	**15519**

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
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	-250	-250	0	500	0.00	5.38	-5.38
765 KV Gwalior-Agra (D/C)	1683	1751	2373	0	41.50	0.00	41.50
400 KV Zerda-Kankroli	83	199	253	-26	2.67	0.00	2.67
400 KV Zerda-Bhinmal	52	152	266	67	2.19	0.00	2.19
220 KV Auraiya-Malanpur	-70	-24	0	82	0.00	0.84	-0.84
220 KV Badod-Kota/Morak	99	159	157	0	4.45	0.00	4.45
Mundra-Mohindergarh(HVDC Bipole)	2202	1098	2205	0.00	40.15	0.00	40.15
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	618	712	487	0	18.06	0.00	18.06
Sub Total WR	**4417**	**3797**			**109.01**	**6.23**	**102.78**
Pusauli Bypass/HVDC	50	-92	50	249	0.51	2.41	-1.91
400 KV MZP- GKP (D/C)	236	474	682	0	11.43	0.00	11.43
400 KV Patna-Balia(D/C) X 2	380	449	537	0	10.21	0.00	10.21
400 KV B'Sharif-Balia (D/C)	128	234	347	0	5.74	0.00	5.74
765 KV Gaya-Balia	237	308	316	0	3.56	0.00	3.56
765 KV Gaya-Varanasi (D/C)	403	471	592	0	10.55	0.00	10.55
220 KV Pusauli-Sahupuri	167	193	206	0	4.35	0.00	4.35
132 KV K'nasa-Sahupuri	-28	-24	0	28	0.00	0.46	-0.46
132 KV Son Ngr-Rihand	-7	-26	0	26	0.00	0.48	-0.48
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-27	45	144	47	1.41	0.00	1.41
400 KV Barh -GKP (D/C)	368	436	436	0	8.09	0.00	8.09
400 kV B'Sharif - Varanasi (D/C)	156	77	224	0	3.58	0.00	3.58
Sub Total ER	**2063**	**2545**			**59.43**	**3.36**	**56.07**
+/- 800 KV BiswanathCharialli-Agra	500	500	900	0.00	12.61	0.00	12.61
Sub Total NER	**500**	**500**			**12.61**	**0.00**	**12.61**
Total IR Exch	**6980**	**6842**			**181.04**	**9.58**	**171.46**

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
38.36	3.73	42.10	40.56	13.79	-3.04	-9.27	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
79.61	93.95	173.57	68.68	102.78	171.46	-10.93	8.83	-2.11

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
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-30	-22	0	31	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	0.31	6.62	44.19	68.09	20.72	4.68	0.00	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.16	13.01	49.76	19.26	50.00	0.040	0.063	50.20	49.94	31.91

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	0:00	405	0:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	7:20	406	13:39	0.0	0.0	5.6	0.0	5.6
Bareilly(PG)400kV	400	417	6:03	398	13:49	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	4:26	408	0:14	0.0	0.0	0.0	0.0	0.0
Dadri	400	414	3:24	396	14:41	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	423	3:19	400	14:49	0.0	0.0	11.5	0.0	11.5
Bawana	400	416	3:00	397	14:54	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	5:02	398	19:34	0.0	0.0	0.2	0.0	0.2
Hissar	400	411	3:22	392	14:22	0.0	0.0	0.0	0.0	0.0
Moga	400	409	18:00	396	14:15	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	410	3:22	394	14:24	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	413	3:31	397	14:51	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	411	3:19	400	14:58	0.0	0.0	0.0	0.0	0.0
Wagoora	400	407	3:00	389	20:07	0.0	1.0	0.0	0.0	0.0
Amritsar	400	414	3:29	399	14:21	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	410	0:00	403	11:20	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	410	4:18	389	13:55	0.0	1.2	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	787	6:01	758	11:57	0.0	0.0	0.0	0.0	0.0
Balia	765	794	7:23	769	13:50	0.0	0.0	0.0	0.0	0.0
Moga	765	795	18:01	767	14:15	0.0	0.0	0.0	0.0	0.0
Agra	765	793	18:01	762	19:38	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	776	7:25	748	14:49	0.0	0.0	0.0	0.0	0.0
Lucknow	765	793	7:23	768	11:57	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	18:02	772	14:54	0.0	0.0	9.8	0.0	9.8
Jhatikara	765	795	18:02	764	14:46	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	787	7:29	750	19:57	0.0	0.0	0.0	0.0	0.0
Anta	765	792	4:28	765	19:57	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	3:24	764	22:25	0.0	0.0	0.0	0.0	0.0

Note : "0" in Max / Min Col -> Telemetry Outage

IX. Reservior Parameters:

Name of Reservior	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	496.62	960.37	508.90	1500.16	1251.97	654.12
Pong	426.72	384.05	414.58	656.23	421.67	961.02	820.73	429.42
Tehri	829.79	740.04	809.80	802.26	812.30	842.28	706.85	573.00
Koteshwar	612.50	598.50	610.24	4.69	609.59	4.37	573.00	564.30
Chamera-I	760.00	748.75	757.75	0.00	0.00	0.00	409.87	357.27
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	517.99	4.72	523.88	10.99	486.64	192.86

*** 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	1532	87	0	1071	60	0	36.85	6.06	42.91
Delhi	481	-268	0	674	-97	0	17.05	-4.15	12.90
Haryana	2038	230	13	2092	282	13	45.56	5.76	51.32
HP	-1369	-455	0	-1425	-350	0	-29.89	-10.15	-40.04
J&K	-583	-499	0	-633	-15	0	-15.61	-4.33	-19.94
CHD	0	-40	0	0	-60	0	0.36	-0.73	-0.38
Rajasthan	-129	476	0	-129	486	0	-3.09	11.26	8.17
UP	860	0	0	635	0	0	16.07	0.00	16.07
Uttarakhand	-126	-118	0	-126	-45	0	-3.02	-1.67	-4.69
Total	**2705**	**-587**	**13**	**2159**	**263**	**13**	**64.28**	**2.04**	**66.32**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1783	1071	975	34	0	0
Delhi	957	481	325	-628	0	0
Haryana	2120	1675	311	-213	13	13
HP	-1091	-1673	-262	-689	0	0
J&K	-583	-784	0	-499	0	0
CHD	44	0	0	-60	0	0
Rajasthan	-129	-129	507	-111	0	0
UP	865	537	0	0	0	0
Uttarakhand	-126	-126	-11	-163	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	**0.69%**
ER	**0.00%**
Simultaneous	**12.50%**

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	**0.00%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 16.08.2016 :

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.

Report for : 16.08.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER