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 12.08.2016
Date of Reporting : 13.08.2016

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
41993	1616	43609	50.04	38719	258	38976	50.07	967.4	12.04

* 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	48.36	12.64		61.00	126.87	126.39	-0.48	187.39	0.00
Haryana	18.04	0.46		18.50	133.34	128.45	-4.89	146.95	0.16
Rajasthan	56.81	3.74	18.55	79.10	65.06	64.92	-0.14	144.02	0.00
Delhi	20.53			20.53	78.92	78.53	-0.39	99.06	0.02
UP	108.64	20.70		129.34	156.72	157.96	1.24	287.30	2.85
Uttarakhand		8.90		11.14	25.20	26.44	1.24	37.58	0.32
HP		23.95		23.95	0.70	1.19	0.50	25.15	0.02
J & K		21.97	0.00	21.97	15.85	12.73	-3.12	34.70	8.67
Chandigarh				0.00	6.41	5.27	-1.14	5.27	0.00
Total	**252.38**	**92.35**	**18.55**	**365.52**	**609.05**	**601.88**	**-7.18**	**967.40**	12.04

* 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	7653	0	-401	1223	7143	0	-8	1791	8344	16:00	0
Haryana	6657	0	12	1861	5873	0	-458	2439	7327	22:00	0
Rajasthan	6692	0	-159	443	5505	0	57	462	7215	21:00	0
Delhi	4355	2	17	349	3868	0	9	117	4692	13:00	0
UP	11950	1030	-105	681	12851	0	-140	1056	13358	1:00	0
Uttarakhand	1551	130	44	-43	1389	0	18	-153	1757	14:00	0
HP	1074	0	-3	-1529	874	0	41	-1758	1243	8:00	0
J&K	1818	454	106	-598	1030	258	-271	-1082	1818	20:00	454
Chandigarh	243	0	-12	-40	186	0	-66	0	257	11:00	0
Total	**41993**	**1616**	**-500**	**2348**	**38719**	**258**	**-818**	**2872**	**44027**	**22:00**	**553**

* 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 :

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	1696	1491	1841	38.11	1588	37.21	0.90
	Rihand I STPS (2*500)	1000	937	995	729	17.74	739	17.66	0.09
	Rihand II STPS (2*500)	1000	962	1013	753	18.40	767	17.65	0.75
	Rihand III STPS (2*500)	1000	963	967	755	18.81	784	18.21	0.60
	Dadri I STPS (4*210)	840	800	210	157	3.74	156	3.71	0.03
	Dadri II STPS (2*490)	980	960	968	675	16.26	677	16.65	-0.39
	Unchahar I TPS (2*210)	420	360	392	273	6.51	271	6.61	-0.10
	Unchahar II TPS (2*210)	420	400	436	264	6.86	286	7.29	-0.44
	Unchahar III TPS (1*210)	210	200	217	133	3.39	141	3.65	-0.26
	ISTPP (Jhajjhar) (3*500)	1500	1425	611	610	13.58	566	13.75	-0.17
	Dadri GPS (4*130.19+2*154.51)	830	789	350	355	7.50	312	7.68	-0.19
	Anta GPS (3*88.71+1*153.2)	419	412	256	239	5.33	222	5.30	0.03
	Auraiya GPS (4*111.19+2*109.30)	663	633	137	154	3.23	135	3.19	0.04
	Dadri Solar(5)	5	1	0	0	0.01	1	0.02	-0.01
	Unchahar Solar(10)	10	1	0	0	0.02	1	0.03	0.00
	Singrauli Solar(15)	15	1	0	0	0.05	2	0.03	0.02
	KHEP(4*200)	800	855	850	850	20.53	855	20.52	0.01
	Sub Total (A)	**12112**	**11395**	**8893**	**7788**	**180**	**7503**	**179**	**0.91**
B. NPC	NAPS (2*220)	440	385	399	404	8.62	359	9.24	-0.62
	RAPS- B (2*220)	440	175	202	204	4.29	179	4.20	0.09
	RAPS- C (2*220)	440	410	436	435	9.29	387	9.84	-0.55
	Sub Total (B)	**1320**	**970**	**1037**	**1043**	**22.20**	**925**	**23.28**	**-1.08**
C. NHPC	Chamera I HPS (3*180)	540	540	544	545	13.09	545	12.96	0.13
	Chamera II HPS (3*100)	300	298	309	302	7.20	300	7.15	0.06
	Chamera III HPS (3*77)	231	227	232	226	5.43	226	5.44	-0.02
	Bairasuil HPS(3*60)	180	180	186	180	4.39	183	4.32	0.07
	Salal-HPS (6*115)	690	652	676	676	15.97	665	15.65	0.33
	Tanakpur-HPS (3*31.4)	94	90	95	96	2.28	95	2.15	0.13
	Uri-I HPS (4*120)	480	450	446	460	11.00	458	10.79	0.21
	Uri-II HPS (4*60)	240	237	241	241	5.75	239	5.69	0.06
	Dhauliganga-HPS (4*70)	280	214	215	205	5.15	214	5.16	-0.02
	Dulhasti-HPS (3*130)	390	381	388	390	9.22	384	9.14	0.08
	Sewa-II HPS (3*40)	120	124	128	128	3.04	127	2.97	0.06
	Parbati 3 (4*130)	520	520	523	227	7.89	329	7.84	0.06
	Sub Total (C)	**4065**	**3912**	**3982**	**3674**	**90**	**3767**	**89**	**1.14**
D.SJVNL	NJPC (6*250)	1500	1605	1594	1614	38.47	1603	38.52	-0.05
	Rampur HEP (6*68.67)	412	442	446	445	10.74	448	10.61	0.13
	Sub Total (D)	**1912**	**2047**	**2040**	**2059**	**49.21**	**2050**	**49.13**	**0.08**
E. THDC	Tehri HPS (4*250)	1000	1004	986	1002	24.04	1002	24.10	-0.06
	Koteshwar HPS (4*100)	400	367	405	364	8.85	369	8.80	0.05
	Sub Total (E)	**1400**	**1371**	**1391**	**1366**	**32.89**	**1370**	**32.90**	**-0.01**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	827	1291	639	19.68	820	19.84	-0.15
	Dehar HPS (6*165)	990	611	825	560	14.80	617	14.66	0.14
	Pong HPS (6*66)	396	173	396	0	4.11	171	4.14	-0.04
	Sub Total (F)	**2765**	**1610**	**2512**	**1199**	**38.59**	**1608**	**38.64**	**-0.05**
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	26.34	1098	26.08	0.26
	Malana Stg-II HPS (2*50)	100	0	112	112	2.65	111	2.49	0.16
	Shree Cement TPS (2*150)	300	0	281	262	5.89	246	5.81	0.08
	Budhil HPS(IPP) (2*35)	70	0	74	74	1.74	73	1.65	0.09
	Sub Total (G)	**1662**	**0**	**1798**	**1779**	**42.13**	**1755**	**41.34**	**0.79**
H. Total Regional Entities (A-G)		**25237**	**21305**	**21653**	**18908**	**455.48**	**18979**	**453.69**	**1.79**

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	320	7.51	313
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	110	90	2.20	92
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	250	203	4.69	196
	Goindwal(GVK) (2*270)	540	246	180	4.69	195
	Rajpura (2*700)	1400	1320	660	22.39	933
	Talwandi Saboo (3*660)	1980	0	346	6.88	287
	Thermal (Total)	**6560**	**2346**	**1799**	**48.36**	**2015**
	Total Hydro	1000	602	413	12.64	526
	Total Punjab	**7560**	**2948**	**2212**	**61.00**	**2542**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	456	469	11.13	464
	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	223	370	6.91	288
	Thermal (Total)	**4497**	**679**	**839**	**18.04**	**752**
	Total Hydro	62	17	39	0.46	19
	Total Haryana	**4559**	**696**	**878**	**18.50**	**771**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	41	82	1.85	77
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	362	284	9.30	387
	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	145	126	2.34	97
	RAPS A (NPC) (1*100+1*200)	300	162	162	4.04	168
	Barsingsar (NLC) (2*125)	250	112	112	2.60	109
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	655	442	11.54	481
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	440	2.48	103
	Kawai(Adani) (2*660)	1320	1086	876	22.66	944
	Thermal (Total)	**8876**	**2563**	**2524**	**57**	**2367**
	Total Hydro	550	186	187	3.74	156
	Wind power	3214	895	449	16.05	669
	Biomass	99	22	22	0.52	22
	Solar	730	0	0	1.98	83
	Renewable/Others (Total)	4043	917	471	18.55	773
	Total Rajasthan	**13469**	**3666**	**3182**	**79.10**	**3296**
UP	Anpara TPS (3*210+2*500)	1630	818	874	19.20	800
	Obra TPS (2*50+2*94+5*200)	1194	250	237	5.80	242
	Paricha TPS (2*110+2*220+2*250)	1160	576	579	14.40	600
	Panki TPS (2*105)	210	131	131	3.20	133
	Harduaganj TPS (1*60+1*105+2*250)	665	310	432	9.20	383
	Tanda TPS (NTPC) (4*110)	440	370	260	7.74	323
	Roza TPS (IPP) (4*300)	1200	779	646	15.20	633
	Anpara-C (IPP) (2*600)	1200	648	709	17.10	713
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	282	4.40	183
	Anpara-D(2*500)	1000	0	0	0.00	0
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	554	549	11.20	467
	Thermal (Total)	**12449**	**4436**	**4699**	**107**	**4477**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
	Alaknanada(4*82.5)	330	341	340	8.20	342
	Other Hydro	527	96	70	2.00	83
	Cogeneration	981	50	50	1.20	50
	Total UP	**14727**	**5358**	**5594**	**129**	**5389**
Uttarakhand	Total Hydro	1398	423	195	8.90	371
	Total Gas	225	88	95	2.24	93
	Total Uttarakhand	**1623**	**511**	**290**	**11**	**464**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	74	1.76	74
	Pragati Gas Turbine (2x104+ 1x122)	330	147	264	5.58	232
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	254	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	303	7.15	298
	Thermal (Total)	2917	805	895	20.53	856
	Total Delhi	**2917**	**805**	**895**	**20.53**	**856**
HP	Baspa HPS (IPP) (3*100)	300	331	331	7.77	324
	Malana HPS (IPP) (2*43)	86	104	1104	2.44	102
	Other Hydro	878	566	553	13.73	572
	Total HP	**1264**	**1001**	**1988**	**23.95**	**998**
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**	**15899**	**15957**	**365.52**	**15230**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7588**	**6239**	**164.08**	**6837**
Total Regional Availability(Gross)		**72856**	**45140**	**41104**	**985.09**	**41045**

IV. Total Hydro Generation:

Regional Entities Hydro		**12234**	**12218**	**10591**	**266.11**	**11088**
State Control Area Hydro		**7106**	**4103**	**4680**	**94.59**	**3941**
Total Regional Hydro		**19340**	**16321**	**15271**	**360.70**	**15029**

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)	-500	-500	0	500	0.00	12.14	-12.14
765 KV Gwalior-Agra (D/C)	2545	1763	2545	0	46.83	0.00	46.83
400 KV Zerda-Kankroli	152	-78	152	222	0.00	0.25	-0.25
400 KV Zerda-Bhinmal	102	-88	133	296	0.00	0.71	-0.71
220 KV Auraiya-Malanpur	-20	-41	0	54	0.00	0.49	-0.49
220 KV Badod-Kota/Morak	94	66	176	30	2.21	0.00	2.21
Mundra-Mohindergarh(HVDC Bipole)	1501	1801	2001	0.00	39.95	0.00	39.95
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	989	627	1030	0	20.29	0.00	20.29
Sub Total WR	**4863**	**3550**			**109.28**	**13.59**	**95.69**
Pusauli Bypass/HVDC	-89	-67	0	101	0.00	1.72	-1.72
400 KV MZP- GKP (D/C)	242	388	574	0	9.60	0.00	9.60
400 KV Patna-Balia(D/C) X 2	589	458	622	0	12.21	0.00	12.21
400 KV B'Sharif-Balia (D/C)	138	164	263	0	4.41	0.00	4.41
765 KV Gaya-Balia	309	276	363	0	3.69	0.00	3.69
765 KV Gaya-Varanasi (D/C)	437	424	592	0	11.10	0.00	11.10
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-24	-28	0	30	0.00	0.45	-0.45
132 KV Son Ngr-Rihand	-4	-24	0	20	0.00	0.26	-0.26
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	45	56	155	0	1.90	0.00	1.90
400 KV Barh -GKP (D/C)	498	456	518	0	10.46	0.00	10.46
400 kV B'Sharif - Varanasi (D/C)	84	86	206	0	2.96	0.00	2.96
Sub Total ER	**2225**	**2189**			**56.31**	**2.42**	**53.89**
+/- 800 KV BiswanathCharialli-Agra	500	500	1300	0.00	14.50	0.00	14.50
Sub Total NER	**500**	**500**			**14.50**	**0.00**	**14.50**
Total IR Exch	**7588**	**6239**			**180.09**	**16.01**	**164.08**

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
32.27	3.71	35.97	40.83	10.30	-0.60	-5.26	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
76.20	98.17	174.37	68.39	95.69	164.08	-7.81	-2.48	-10.29

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	-26	-8	0	35	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	0.87	9.11	59.28	78.94	9.84	2.19	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)	
50.17	13.01	49.71	19.35	49.98	0.044	0.064	50.16	50.00	21.06

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	5:28	402	19:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	7:03	400	1:01	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	6:02	399	19:37	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	5:07	400	19:35	0.0	0.0	0.0	0.0	0.0
Dadri	400	418	4:35	398	19:35	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	426	4:37	401	19:36	0.0	0.0	23.0	0.0	23.0
Bawana	400	420	4:02	404	11:08	0.0	0.0	0.0	0.0	0.0
Bassi	400	423	4:04	138	19:50	36.8	36.8	9.2	0.0	46.0
Hissar	400	415	4:35	392	19:39	0.0	0.0	0.0	0.0	0.0
Moga	400	413	5:05	395	19:41	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	416	4:40	397	19:38	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	417	6:02	405	11:15	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	414	4:58	402	19:35	0.0	0.0	0.0	0.0	0.0
Wagoora	400	408	1:59	390	19:52	0.0	0.0	0.0	0.0	0.0
Amritsar	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Kashipur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Hamirpur	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Rishikesh	400	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	783	5:19	750	19:38	0.0	0.0	0.0	0.0	0.0
Balia	765	791	6:02	757	19:38	0.0	0.0	0.0	0.0	0.0
Moga	765	794	4:58	758	19:36	0.0	0.0	0.0	0.0	0.0
Agra	765	789	5:05	750	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	789	13:15	732	12:37	5.0	7.1	0.0	0.0	5.0
Lucknow	765	792	6:02	758	19:36	0.0	0.0	0.0	0.0	0.0
Meerut	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Jhatikara	765	798	5:05	759	19:36	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Anta	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	494.64	891.94	507.67	1440.82	1814.66	646.27
Pong	426.72	384.05	413.36	611.20	421.21	946.20	2045.04	261.70
Tehri	829.79	740.04	807.00	743.75	807.80	758.00	919.38	569.00
Koteshwar	612.50	598.50	610.51	4.80	610.20	4.69	569.00	584.24
Chamera-I	760.00	748.75	757.13	0.00	0.00	0.00	700.09	358.74
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	516.47	3.45	524.62	10.70	561.13	143.57

*** 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	1681	110	0	1147	77	0	39.77	1.02	40.79
Delhi	481	-365	0	564	-215	0	15.91	-6.07	9.84
Haryana	2044	382	13	1492	357	13	40.97	8.57	49.54
HP	-1497	-261	0	-1248	-281	0	-31.61	-5.64	-37.25
J&K	-583	-499	0	-583	-15	0	-15.36	-4.41	-19.77
CHD	0	0	0	0	-40	0	0.36	-0.13	0.23
Rajasthan	-129	591	0	-129	571	0	-3.08	13.92	10.83
UP	1056	0	0	681	0	0	18.27	0.00	18.27
Uttarakhand	-129	-24	0	-129	86	0	-3.09	1.13	-1.96
Total	**2925**	**-66**	**13**	**1795**	**540**	**13**	**62.13**	**8.37**	**70.51**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1919	1084	111	0	0	0
Delhi	811	481	79	-574	0	0
Haryana	2056	1407	397	49	13	13
HP	-1218	-1527	-114	-288	0	0
J&K	-583	-734	0	-499	0	0
CHD	44	0	0	-40	0	0
Rajasthan	-129	-129	593	566	0	0
UP	1066	609	0	0	0	0
Uttarakhand	-129	-129	131	-28	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%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 12.08.2016 :

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 : 12.08.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER