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 20.08.2016
Date of Reporting : 21.08.2016

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
44114	1303	45417	49.98	43927	286	44213	50.06	1035.1	16.79

* 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	72.34	16.59		88.93	121.13	119.75	-1.38	208.68	0.00
Haryana	27.72	0.66		28.38	142.37	140.32	-2.04	168.71	0.02
Rajasthan	82.31	4.75	14.98	102.04	69.07	70.15	1.09	172.19	2.08
Delhi	15.56			15.56	85.65	86.11	0.47	101.67	0.01
UP	112.98	22.69		135.67	142.94	144.30	1.36	279.97	5.49
Uttarakhand		19.75		19.80	15.89	17.82	1.94	37.62	0.15
HP		24.85		24.85	-0.26	0.06	0.32	24.91	0.09
J & K		21.97	0.00	21.97	15.72	13.86	-1.85	35.83	8.96
Chandigarh				0.00	5.89	5.50	-0.40	5.50	0.00
Total	**310.91**	**111.26**	**14.98**	**437.19**	**598.37**	**597.87**	**-0.50**	**1035.06**	16.79

* 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	8026	0	14	1113	8850	0	19	1562	9162	10:00	0
Haryana	7526	0	-321	2439	7488	0	-83	2407	8117	21:00	0
Rajasthan	6795	204	11	354	7390	0	4	405	7648	1:00	0
Delhi	4485	0	-12	361	4385	0	76	204	5032	24:00	0
UP	12471	560	223	635	12063	0	-112	976	12559	1:00	0
Uttarakhand	1693	80	195	-214	1463	0	88	-345	1720	10:00	0
HP	1030	0	54	-1800	918	0	-1	-1673	1235	8:00	0
J&K	1837	459	121	-749	1144	286	-101	-1082	1837	20:00	459
Chandigarh	251	0	-21	-30	226	0	7	-20	257	12:00	0
Total	**44114**	**1303**	**265**	**2109**	**43927**	**286**	**-104**	**2435**	**46098**	**1:00**	**305**

* 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	1200	1341	1303	29.45	1227	28.38	1.07
	Rihand I STPS (2*500)	1000	761	886	931	17.63	735	17.81	-0.17
	Rihand II STPS (2*500)	1000	658	507	978	15.03	626	14.35	0.68
	Rihand III STPS (2*500)	1000	963	1029	937	21.95	915	21.57	0.38
	Dadri I STPS (4*210)	840	805	208	214	4.51	188	4.65	-0.14
	Dadri II STPS (2*490)	980	960	979	757	18.34	764	19.58	-1.23
	Unchahar I TPS (2*210)	420	400	429	432	8.50	354	8.63	-0.13
	Unchahar II TPS (2*210)	420	400	430	421	8.01	334	8.20	-0.19
	Unchahar III TPS (1*210)	210	200	217	196	3.93	164	4.05	-0.12
	ISTPP (Jhajjhar) (3*500)	1500	1425	697	584	14.30	596	14.57	-0.28
	Dadri GPS (4*130.19+2*154.51)	830	593	188	162	3.98	166	4.13	-0.15
	Anta GPS (3*88.71+1*153.2)	419	270	257	188	5.33	222	5.24	0.09
	Auraiya GPS (4*111.19+2*109.30)	663	634	137	124	3.22	134	3.22	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.05	-0.01
	Singrauli Solar(15)	15	2	0	0	0.07	3	0.06	0.02
	KHEP(4*200)	800	855	853	853	20.51	854	20.52	-0.01
	Sub Total (A)	**12112**	**10129**	**8158**	**8080**	**175**	**7284**	**175**	**-0.21**
B. NPC	NAPS (2*220)	440	385	414	423	9.15	381	9.24	-0.09
	RAPS- B (2*220)	440	179	204	203	4.25	177	4.30	-0.04
	RAPS- C (2*220)	440	405	437	436	9.39	391	9.72	-0.33
	Sub Total (B)	**1320**	**969**	**1055**	**1062**	**22.79**	**950**	**23.26**	**-0.47**
C. NHPC	Chamera I HPS (3*180)	540	540	549	548	13.11	546	12.96	0.15
	Chamera II HPS (3*100)	300	301	308	304	7.29	304	7.22	0.07
	Chamera III HPS (3*77)	231	229	231	232	5.49	229	5.50	-0.01
	Bairasuil HPS(3*60)	180	179	183	61	2.77	116	2.70	0.07
	Salal-HPS (6*115)	690	662	670	670	16.15	673	15.89	0.26
	Tanakpur-HPS (3*31.4)	94	88	92	93	2.22	92	2.10	0.11
	Uri-I HPS (4*120)	480	383	408	411	9.53	397	9.19	0.34
	Uri-II HPS (4*60)	240	207	241	230	5.21	217	4.96	0.25
	Dhauliganga-HPS (4*70)	280	268	284	274	6.54	272	6.49	0.04
	Dulhasti-HPS (3*130)	390	383	397	392	9.26	386	9.18	0.07
	Sewa-II HPS (3*40)	120	119	127	122	2.05	86	2.00	0.06
	Parbati 3 (4*130)	520	311	394	0	4.29	179	4.19	0.10
	Sub Total (C)	**4065**	**3670**	**3883**	**3337**	**84**	**3496**	**82**	**1.52**
D.SJVNL	NJPC (6*250)	1500	1605	1628	1608	38.54	1606	38.52	0.03
	Rampur HEP (6*68.67)	412	442	446	449	10.71	446	10.61	0.10
	Sub Total (D)	**1912**	**2047**	**2074**	**2057**	**49.26**	**2052**	**49.13**	**0.13**
E. THDC	Tehri HPS (4*250)	1000	1046	1044	266	20.52	855	20.00	0.52
	Koteshwar HPS (4*100)	400	292	404	277	7.06	294	7.00	0.06
	Sub Total (E)	**1400**	**1338**	**1448**	**543**	**27.59**	**1149**	**27.00**	**0.59**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	910	1172	824	21.74	906	21.84	-0.11
	Dehar HPS (6*165)	990	615	825	560	15.01	625	14.75	0.26
	Pong HPS (6*66)	396	290	396	198	6.86	286	6.96	-0.10
	Sub Total (F)	**2765**	**1815**	**2393**	**1582**	**43.61**	**1817**	**43.56**	**0.05**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	201	174	4.05	169	4.13	-0.08
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1100	26.37	1099	26.08	0.28
	Malana Stg-II HPS (2*50)	100	0	112	90	2.35	98	2.17	0.18
	Shree Cement TPS (2*150)	300	0	283	262	5.98	249	5.93	0.05
	Budhil HPS(IPP) (2*35)	70	0	74	74	1.71	71	1.75	-0.04
	Sub Total (G)	**1662**	**0**	**1770**	**1701**	**40.45**	**1685**	**40.06**	**0.39**
H. Total Regional Entities (A-G)		**25237**	**19968**	**20781**	**18362**	**442.42**	**18434**	**440.42**	**2.00**

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	500	320	9.97	416
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	210	170	3.85	161
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	213	557	8.63	360
	Goindwal(GVK) (2*270)	540	0	0	-0.09	-4
	Rajpura (2*700)	1400	760	1320	25.44	1060
	Talwandi Saboo (3*660)	1980	716	1228	24.53	1022
	Thermal (Total)	**6560**	**2399**	**3595**	**72.34**	**3014**
	Total Hydro	1000	792	731	16.59	691
	Total Punjab	**7560**	**3191**	**4326**	**88.93**	**3705**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	287	240	5.49	229
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	189	170	4.08	170
	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	749	746	18.16	757
	Thermal (Total)	**4497**	**1225**	**1156**	**27.72**	**1155**
	Total Hydro	62	41	0	0.66	28
	Total Haryana	**4559**	**1266**	**1156**	**28.38**	**1183**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	330	314	7.73	322
	suratgarh TPS (6*250)	1500	0	0	0.00	0
	Chabra TPS (4*250)	1000	378	456	9.05	377
	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	141	148	3.55	148
	RAPS A (NPC) (1*100+1*200)	300	161	131	3.94	164
	Barsingsar (NLC) (2*125)	250	226	225	5.33	222
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	736	536	17.72	738
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	485	406	10.61	442
	Kawai(Adani) (2*660)	1320	865	869	24.37	1015
	Thermal (Total)	**8876**	**3322**	**3085**	**82**	**3429**
	Total Hydro	550	256	91	4.75	198
	Wind power	3214	82	1632	14.57	607
	Biomass	99	17	17	0.41	17
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	99	1649	14.98	624
	Total Rajasthan	**13469**	**3677**	**4825**	**102.04**	**4252**
UP	Anpara TPS (3*210+2*500)	1630	885	921	20.65	860
	Obra TPS (2*50+2*94+5*200)	1194	244	227	5.58	232
	Paricha TPS (2*110+2*220+2*250)	1160	810	753	16.85	702
	Panki TPS (2*105)	210	140	135	3.37	140
	Harduaganj TPS (1*60+1*105+2*250)	665	429	434	8.84	368
	Tanda TPS (NTPC) (4*110)	440	385	373	8.64	360
	Roza TPS (IPP) (4*300)	1200	1098	1089	24.80	1033
	Anpara-C (IPP) (2*600)	1200	783	1013	18.69	779
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	243	170	4.37	182
	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**	**5017**	**5115**	**112**	**4657**
	Vishnuparyag HPS (IPP)(4*110)	440	435	0	8.29	345
	Alaknanada(4*82.5)	330	334	335	8.03	334
	Other Hydro	527	289	279	6.38	266
	Cogeneration	981	50	50	1.20	50
	Total UP	**14727**	**6125**	**5779**	**136**	**5653**
Uttarakhand	Total Hydro	1398	789	860	19.75	823
	Total Gas	225	0	51	0.04	2
	Total Uttarakhand	**1623**	**789**	**911**	**20**	**825**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	33	66	1.44	60
	Pragati Gas Turbine (2x104+ 1x122)	330	146	263	4.09	170
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	63	252	3.07	128
	Badarpur TPS (NTPC) (3*95+2*210)	705	313	313	6.96	290
	Thermal (Total)	2917	555	894	15.56	648
	Total Delhi	**2917**	**555**	**894**	**15.56**	**648**
HP	Baspa HPS (IPP) (3*100)	300	334	334	7.78	324
	Malana HPS (IPP) (2*43)	86	95	80	2.07	86
	Other Hydro	878	600	662	15.01	625
	Total HP	**1264**	**1029**	**1076**	**24.85**	**1035**
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**	**17546**	**19885**	**437.19**	**18216**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7866**	**7361**	**173.45**	**7227**
Total Regional Availability(Gross)		**72856**	**46193**	**45607**	**1053.07**	**43878**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**12064**	**9736**	**257.64**	**10735**
State Control Area Hydro	**7106**	**4879**	**4341**	**111.31**	**4638**
Total Regional Hydro	**19340**	**16943**	**14077**	**368.94**	**15373**

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	
Vindhychal(HVDC B/B)	-500	-500	50	500	0.20	8.54	-8.33
765 KV Gwalior-Agra (D/C)	2605	2228	2605	0	49.36	0.00	49.36
400 KV Zerda-Kankroli	224	72	224	61	2.39	0.00	2.39
400 KV Zerda-Bhinmal	258	75	308	37	3.57	0.00	3.57
220 KV Auraiya-Malanpur	9	46	0	23	0.47	0.00	0.47
220 KV Badod-Kota/Morak	171	211	264	0	4.90	0.00	4.90
Mundra-Mohindergarh(HVDC Bipole)	1401	1803	1803	0.00	36.60	0.00	36.60
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1012	863	1179	0	19.61	0.00	19.61
Sub Total WR	**5180**	**4798**			**117.10**	**8.54**	**108.56**
Pusauli Bypass/HVDC	250	-325	250	329	1.69	4.78	-3.08
400 KV MZP- GKP (D/C)	90	186	406	32	5.35	0.00	5.35
400 KV Patna-Balia(D/C) X 2	320	438	703	0	11.55	0.00	11.55
400 KV B'Sharif-Balia (D/C)	63	102	219	0	2.69	0.00	2.69
765 KV Gaya-Balia	266	221	372	0	3.14	0.00	3.14
765 KV Gaya-Varanasi (D/C)	506	389	642	0	10.61	0.00	10.61
220 KV Pusauli-Sahupuri	179	172	192	0	3.70	0.00	3.70
132 KV K'nasa-Sahupuri	-24	-22	0	28	0.00	0.43	-0.43
132 KV Son Ngr-Rihand	-34	-27	0	36	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-300	-13	43	317	0.00	1.74	-1.74
400 KV Barh -GKP (D/C)	350	426	488	0	9.21	0.00	9.21
400 kV B'Sharif - Varanasi (D/C)	20	16	177	0	1.31	0.00	1.31
Sub Total ER	**1686**	**1563**			**49.26**	**7.50**	**41.76**
+/- 800 KV BiswanathCharialli-Agra	1000	1000	1000	0.00	23.13	0.00	23.13
Sub Total NER	**1000**	**1000**			**23.13**	**0.00**	**23.13**
Total IR Exch	**7866**	**7361**			**189.49**	**16.04**	**173.45**

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
38.67	3.95	42.61	42.14	11.80	-11.40	-4.54	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
73.36	104.72	178.08	64.89	108.56	173.45	-8.47	3.85	-4.62

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	-28	-21	0	29	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	1.64	20.25	72.55	71.72	6.67	1.35	0.00	0.00

<---------- Frequency (Hz) ---------->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)	
50.19	6.02	49.73	19.50	49.96	0.064	0.068	50.06	49.82	28.28

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	406	11:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	6:02	406	22:11	0.0	0.0	5.9	0.0	5.9
Bareilly(PG)400kV	400	420	6:03	399	11:16	0.0	0.0	0.0	0.0	0.0
Kanpur	400	423	6:01	409	0:16	0.0	0.0	3.8	0.0	3.8
Dadri	400	416	6:02	402	20:29	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	424	6:01	408	20:23	0.0	0.0	8.0	0.0	8.0
Bawana	400	419	6:02	404	20:31	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	6:00	403	22:09	0.0	0.0	1.1	0.0	1.1
Hissar	400	414	6:03	398	19:39	0.0	0.0	0.0	0.0	0.0
Moga	400	413	6:02	399	20:28	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	412	6:01	398	19:38	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	417	6:09	406	19:45	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	412	3:26	402	19:48	0.0	0.0	0.0	0.0	0.0
Wagoora	400	408	3:55	389	20:07	0.0	0.1	0.0	0.0	0.0
Amritsar	400	418	6:00	404	20:16	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	418	6:02	405	20:22	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	6:03	400	12:19	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	791	6:03	760	20:31	0.0	0.0	0.0	0.0	0.0
Balia	765	801	6:02	770	22:07	0.0	0.0	0.3	0.0	0.3
Moga	765	802	6:01	773	20:23	0.0	0.0	0.7	0.0	0.7
Agra	765	797	6:03	758	20:30	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	781	6:05	755	20:25	0.0	0.0	0.0	0.0	0.0
Lucknow	765	800	6:05	769	22:10	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	6:03	779	20:30	0.0	0.0	25.2	0.0	25.2
Jhatikara	765	801	6:03	769	20:30	0.0	0.0	0.2	0.0	0.2
Bareilly 765 kV	765	0	0:00	0	0:00	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	795	6:00	767	20:20	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	497.84	1006.54	509.36	1515.08	1149.69	693.31
Pong	426.72	384.05	415.01	680.86	422.02	990.81	609.09	423.11
Tehri	829.79	740.04	811.95	842.28	814.65	895.00	550.50	473.00
Koteshwar	612.50	598.50	610.83	4.95	610.15	4.69	473.00	465.62
Chamera-I	760.00	748.75	757.29	0.00	0.00	0.00	360.13	359.25
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	518.75	5.60	522.86	14.09	346.12	265.33

*** 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	1548	15	0	1087	26	0	38.00	3.42	41.42
Delhi	482	-278	0	750	-389	0	16.47	-7.99	8.47
Haryana	2037	358	13	2083	343	13	46.23	5.30	51.53
HP	-1371	-303	0	-1426	-374	0	-30.73	-8.07	-38.80
J&K	-583	-499	0	-734	-15	0	-15.98	-3.83	-19.82
CHD	0	-20	0	0	-30	0	0.36	-0.61	-0.26
Rajasthan	-129	534	0	-129	483	0	-3.09	11.27	8.18
UP	976	0	0	635	0	0	16.83	0.00	16.83
Uttarakhand	-126	-220	0	-126	-88	0	-3.02	-2.02	-5.04
Total	**2835**	**-413**	**13**	**2140**	**-44**	**13**	**65.06**	**-2.54**	**62.52**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1863	1087	858	1	0	0
Delhi	1003	482	-65	-594	0	0
Haryana	2115	1731	389	-752	13	13
HP	-1092	-1426	-265	-468	0	0
J&K	-583	-835	0	-499	0	0
CHD	44	0	0	-50	0	0
Rajasthan	-129	-129	550	-108	0	0
UP	998	567	0	0	0	0
Uttarakhand	-126	-126	15	-250	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	**11.11%**

(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 20.08.2016 :

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 : 20.08.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER