पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 01.09.2017

Date of Reporting : 02.09.2017

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
45161	859	46020	0.00	40924	202	41127	0.00	978.29	9.13

* 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	37.30	14.14	0.18	51.62	96.42	95.44	-0.97	147.06	0.00
Haryana	43.26	0.87	0.00	44.13	97.63	97.69	0.06	141.82	0.00
Rajasthan	88.18	1.93	20.44	110.55	56.47	57.80	1.33	168.35	0.00
Delhi	24.65		0.00	24.65	75.28	74.06	-1.22	98.71	0.03
UP	130.20	22.10	0.00	152.30	170.40	168.79	-1.62	321.09	0.00
Uttarakhand		20.22	7.12	27.34	8.60	7.28	-1.32	34.61	0.00
HP		18.62	6.87	25.48	-1.73	-2.03	-0.29	23.46	0.00
J & K		24.29	0.00	24.29	15.44	13.98	-1.46	38.28	9.10
Chandigarh				0.00	5.87	4.92	-0.95	4.92	0.00
Total	**323.58**	**102.17**	**34.61**	**460.36**	**524.38**	**517.93**	**-6.45**	**978.29**	9.13

* 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	5868	0	-58	477	6505	0	-42	1088	6797	1	0
Haryana	6556	327	-106	945	6162	0	208	1112	7062	1	0
Rajasthan	7692	0	-110	-158	6799	0	156	333	8070	24	0
Delhi	4483	0	-45	332	3858	0	46	479	4719	16	0
UP	15526	0	-182	1839	14013	0	-100	2029	15935	22	0
Uttarakhand	1592	0	-68	-121	1392	0	-19	-244	1615	19	0
HP	1098	0	48	-1690	869	0	8	-1571	1216	10	0
J&K	2128	532	312	-740	1147	202	-214	-997	2128	20	532
Chandigarh	218	0	-44	-35	180	0	-30	0	238	10	0
Total	**45161**	**859**	**-253**	**849**	**40924**	**202**	**13**	**2229**	**45161**	**20**	**859**

* 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	1740	1895	1305	30.34	1264	29.45	0.89
	Rihand I STPS (2*500)	1000	923	996	736	18.73	780	18.72	0.00
	Rihand II STPS (2*500)	1000	471	500	409	9.99	416	9.63	0.36
	Rihand III STPS (2*500)	1000	943	1007	637	17.81	742	17.49	0.32
	Dadri I STPS (4*210)	840	317	235	209	5.41	225	5.38	0.03
	Dadri II STPS (2*490)	980	511	496	492	12.03	501	12.26	-0.22
	Unchahar I TPS (2*210)	420	383	329	255	5.79	241	5.56	0.23
	Unchahar II TPS (2*210)	420	383	275	236	5.30	221	5.29	0.02
	Unchahar III TPS (1*210)	210	192	142	116	2.67	111	2.70	-0.03
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	948	993	568	13.77	574	13.86	-0.09
	Dadri GPS (4*130.19+2*154.51)	830	784	113	115	2.77	115	2.77	-0.01
	Anta GPS (3*88.71+1*153.2)	419	391	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	613	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	0	0	0	0.01	0	0.01	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
	Singrauli Solar(15)	15	3	0	0	0.06	3	0.07	-0.01
	KHEP(4*200)	800	792	863	393	16.04	668	15.30	0.74
	Sub Total (A)	**12612**	**9395**	**7844**	**5471**	**141**	**5865**	**139**	**2.23**
B. NPC	NAPS (2*220)	440	380	413	427	9.19	383	9.12	0.07
	RAPS- B (2*220)	440	420	418	419	9.01	375	9.98	-0.96
	RAPS- C (2*220)	440	430	450	450	9.74	406	10.32	-0.58
	Sub Total (B)	**1320**	**1230**	**1281**	**1296**	**27.95**	**1164**	**29.42**	**-1.47**
C. NHPC	Chamera I HPS (3*180)	540	458	367	540	11.17	465	10.99	0.18
	Chamera II HPS (3*100)	300	300	304	305	7.26	303	7.20	0.06
	Chamera III HPS (3*77)	231	229	234	231	5.55	231	5.50	0.05
	Bairasuil HPS(3*60)	180	80	182	102	2.12	88	1.93	0.19
	Salal-HPS (6*115)	690	672	677	681	16.38	683	16.12	0.26
	Tanakpur-HPS (3*31.4)	94	89	94	96	2.26	94	2.13	0.13
	Uri-I HPS (4*120)	480	214	331	143	5.38	224	5.14	0.24
	Uri-II HPS (4*60)	240	126	116	210	3.08	128	3.02	0.06
	Dhauliganga-HPS (4*70)	280	281	292	284	6.80	283	6.75	0.05
	Dulhasti-HPS (3*130)	390	387	398	396	9.37	390	9.28	0.09
	Sewa-II HPS (3*40)	120	119	123	80	1.85	77	1.80	0.05
	Parbati 3 (4*130)	520	199	514	0	3.84	160	3.71	0.13
	Sub Total (C)	**4065**	**3153**	**3632**	**3068**	**75**	**3127**	**74**	**1.50**
D.SJVNL	NJPC (6*250)	1500	1497	1607	1573	36.32	1513	35.89	0.43
	Rampur HEP (6*68.67)	412	412	445	421	10.23	426	9.89	0.34
	Sub Total (D)	**1912**	**1910**	**2052**	**1994**	**46.56**	**1940**	**45.78**	**0.77**
E. THDC	Tehri HPS (4*250)	1000	988	1021	0	7.58	316	7.26	0.32
	Koteshwar HPS (4*100)	400	104	202	93	2.56	107	2.49	0.07
	Sub Total (E)	**1400**	**1092**	**1223**	**93**	**10.14**	**423**	**9.75**	**0.39**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	841	1334	776	20.14	839	20.17	-0.04
	Dehar HPS (6*165)	990	576	825	560	14.07	586	13.83	0.24
	Pong HPS (6*66)	396	210	330	66	5.07	211	5.04	0.04
	Sub Total (F)	**2765**	**1627**	**2489**	**1402**	**39.28**	**1637**	**39.04**	**0.24**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	230	114	3.60	150	2.79	0.81
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1100	1000	25.48	1062	24.77	0.71
	Malana Stg-II HPS (2*50)	100	0	112	100	2.38	99	2.22	0.16
	Shree Cement TPS (2*150)	300	0	150	145	3.42	143	3.47	-0.05
	Budhil HPS(IPP) (2*35)	70	0	76	76	1.79	75	1.11	0.69
	Sub Total (G)	**1662**	**0**	**1667**	**1435**	**36.67**	**1528**	**34.35**	**2.32**
H. Total Regional Entities (A-G)		**25737**	**18405**	**20189**	**14760**	**376.41**	**15684**	**370.44**	**5.98**

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	0	0	-0.15	-6
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	88	100	1.81	75
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.33	-14
	Goindwal(GVK) (2*270)	540	0	180	1.85	77
	Rajpura (2*700)	1400	660	660	15.85	660
	Talwandi Saboo (3*660)	1980	616	924	18.27	761

	Thermal (Total)	**6560**	**1364**	**1864**	37.30	**1554**
	Total Hydro	1000	561	575	14.14	589
	Wind Power	0	0	0	0.00	0
	Biomass	303	6	6	0.13	6
	Solar	859	0	0	0.05	2
	Renewable(Total)	**1162**	**6**	**6**	**0.18**	**8**
	Total Punjab	**8722**	**1931**	**2445**	**51.62**	**2151**
Haryana	Panipat TPS (2*210+2*250)	920	198	404	8.41	350
	DCRTPP (Yamuna nagar) (2*300)	600	218	210	5.00	208
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	193	0	2.67	111
	RGTPP (khedar) (IPP) (2*600)	1200	363	385	7.96	332
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	731	744	19.22	801
	Thermal (Total)	**4497**	**1703**	**1743**	**43.26**	**1802**
	Total Hydro	62	36	36	0.87	36
	Wind Power	0	0	0	0.00	0
	Biomass	106	0	0	0.00	0
	Solar	50	0	0	0.00	0
	Renewable(Total)	**156**	**0**	**0**	**0.00**	**0**
	Total Haryana	**4715**	**1739**	**1779**	**44.13**	**1839**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	790	780	18.92	788
	suratgarh TPS (6*250)	1500	190	536	8.79	366
	Chabra TPS (4*250)	1000	392	389	9.14	381
	Chabra TPS (1*660)	660	0	0	0.00	0
	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	185	175	4.57	190
	RAPS A (NPC) (1*100+1*200)	300	161	170	4.14	172
	Barsingsar (NLC) (2*125)	250	99	111	0.00	0
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	645	377	10.76	448
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	831	819	20.21	842
	Kawai(Adani) (2*660)	1320	614	445	11.64	485
	Thermal (Total)	**9536**	**3907**	**3802**	**88.18**	**3674**
	Total Hydro	550	132	54	1.93	81
	Wind power	4292	960	622	18.73	780
	Biomass	102	17	17	0.41	17
	Solar	1995	0	0	1.30	54
	Renewable/Others (Total)	6389	977	639	20.44	852
	Total Rajasthan	**16475**	**5016**	**4495**	**110.55**	**4606**
UP	Anpara TPS (3*210+2*500)	1630	731	737	16.50	688
	Obra TPS (2*50+2*94+5*200)	1194	323	298	6.70	279
	Paricha TPS (2*110+2*220+2*250)	1160	785	658	18.40	767
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	431	316	8.50	354
	Tanda TPS (NTPC) (4*110)	440	360	382	7.48	312
	Roza TPS (IPP) (4*300)	1200	1006	642	17.00	708
	Anpara-C (IPP) (2*600)	1200	806	745	17.40	725
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	450	443	9.10	379
	Lalitpur TPS(3*660)	1980	1251	558	17.00	708
	Bara(2*660)	1320	609	605	11.40	475
	Thermal (Total)	**12449**	**6752**	**5384**	**129.48**	**5395**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
	Alaknanada(4*82.5)	330	342	342	8.20	342
	Other Hydro	527	176	176	3.40	142
	Cogeneration	981	30	30	0.72	30
	Wind Power	0	0	0	0.00	0
	Biomass	26	0	0	0.00	0
	Solar	102	0	0	0.00	0
	Renewable(Total)	**128**	**0**	**0**	**0.00**	**0**
	Total UP	**14855**	**7735**	**6367**	**152.30**	**6346**
Uttarakhand	Other Hydro	1250	870	867	20.22	843
	Total Gas	225	289	290	6.96	290
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.16	7
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.16	7
	Total Uttarakhand	**1882**	**1159**	**1157**	**27.34**	**1139**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	36	0.82	34
	Pragati Gas Turbine (2x104+ 1x122)	330	264	262	6.38	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	455	426	10.39	433
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	318	7.07	294
	Thermal (Total)	**2917**	**1078**	**1042**	**24.65**	**1027**
	Wind Power	0	0	0	0.00	0
	Biomass	16	0	0	0.00	0
	Solar	2	0	0	0.00	0
	Renewable(Total)	**18**	**0**	**0**	**0.00**	**0**
	Total Delhi	**2935**	**1078**	**1042**	**24.65**	**1027**
HP	Baspa HPS (IPP) (3*100)	300	332	332	7.71	321
	Malana HPS (IPP) (2*43)	86	99	96	2.15	90
	Other Hydro (>25MW)	372	363	367	8.76	365
	Wind Power	0	0	0	0.00	0
	Biomass	0	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Small Hydro (< 25 MW)	486	212	301	6.87	286
	Renewable(Total)	**486**	**212**	**301**	**6.87**	**286**
	Total HP	**1244**	**1006**	**1096**	**25.48**	**1062**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	884	884	21.19	883
	Other Hydro/IPP(including 98 MW Small Hydro)	308	152	111	3.10	129
	Gas/Diesel/Others	190	0	0	0.00	0
	Wind Power	0	0	0	0.00	0
	Biomass	0	0	0	0.00	0
	Solar	0	0	0	0.00	0
	Small Hydro (< 25 MW)Included in Other Hydro Above	98	0	0	0.00	0
	Renewable(Total)	**98**	**0**	**0**	**0.00**	**0**
	Total J & K	**1398**	**1036**	**995**	**24**	**1012**
Total State Control Area Generation		**52226**	**20700**	**19376**	**460.36**	**19182**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6614**	**6199**	**149.32**	**6222**
Total Regional Availability(Gross)		**77963**	**47502**	**40335**	**986.09**	**41087**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**11701**	**8164**	**220.32**	**9105**
State Control Area Hydro	**7243**	**4883**	**4866**	**102.17**	**4840**
Total Regional Hydro	**19477**	**16585**	**13030**	**322.49**	**13945**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**8844**	**1195**	**946**	**27.65**	**1152**
Total Regional Renewable	**8874**	**1195**	**946**	**27.77**	**1157**

VI(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	12.17	-12.17
765 KV Gwalior-Agra (D/C)	2024	1936	2276	0	43.21	0.00	43.21
400 KV Zerda-Kankroli	-158	1	40	158	0.00	1.63	-1.63
400 KV Zerda-Bhinmal	-49	-41	85	180	0.00	1.22	-1.22
220 KV Auraiya-Malanpur	-22	-26	0	63	0.00	0.28	-0.28
220 KV Badod-Kota/Morak	-52	19	63	77	0.00	0.13	-0.13
Mundra-Mohindergarh(HVDC Bipole)	1302	1402	1805	0	29.32	0.00	29.32
400 KV RAPPC-Sujalpur	60	13	157	147	0.70	0.00	0.70
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	601	695	911	0	15.75	0.00	15.75
+/- 800 kV HVDC Champa-Kurushetra	1000	500	1500	0	21.50	0	21.50
Sub Total WR	**4206**	**3999**			**110.47**	**15.42**	**95.05**
400 kV Sasaram - Varanasi	166	136	166	0	3.38	0.00	3.38
400 kV Sasaram - Allahabad	26	57	70	0	1.05	0.00	1.05
400 KV MZP- GKP (D/C)	441	419	739	0	11.90	0.00	11.90
400 KV Patna-Balia(D/C) X 2	625	441	756	0	16.73	0.00	16.73
400 KV B'Sharif-Balia (D/C)	215	95	284	0	6.00	0.00	6.00
765 KV Gaya-Balia	275	230	309	0	6.33	0.00	6.33
765 KV Gaya-Varanasi (D/C)	156	287	492	0	6.21	0.00	6.21
220 KV Pusauli-Sahupuri	125	115	130	0	2.72	0.00	2.72
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-20	0	27	0.00	0.43	-0.43
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-139	-139	3	246	0.00	2.59	-2.59
400 KV Barh -GKP (D/C)	206	142	0	212	0.00	3.83	-3.83
400 kV B'Sharif - Varanasi (D/C)	36	-63	56	187	0.00	1.62	-1.62
+/- 800 KV HVDC Alipurduar-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total ER	**2108**	**1700**			**54.31**	**8.47**	**45.84**
+/- 800 KV HVDC BiswanathCharialli-Agra	300	500	500	0.00	8.43	0.00	8.43
Sub Total NER	**300**	**500**			**8.43**	**0.00**	**8.43**
Total IR Exch	**6614**	**6199**			**173.21**	**23.89**	**149.32**

VI(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
28.53	3.66	32.20	18.43	13.16	-9.45	11.67	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
41.18	133.78	174.96	54.27	95.05	149.32	13.09	-38.74	-25.64

VI(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	-1	0	28	0	0	-0.43

VII. 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	0.23	8.33	43.72	74.35	14.94	2.43	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)	
50.18	8.04	49.75	18.10	49.99	0.039	0.062	0.00	0.00	25.65

VIII(A). 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	406	13:00	400	0:00	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	7:17	392	22:05	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	7:21	396	20:52	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	7:22	402	0:07	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	7:34	401	0:08	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	418	7:01	400	0:05	0.0	0.0	0.0	0.0	0.0
Bawana	400	411	6:58	398	0:04	0.0	0.0	0.0	0.0	0.0
Bassi	400	421	18:01	400	0:08	0.0	0.0	0.3	0.0	0.3
Hissar	400	412	7:01	397	0:09	0.0	0.0	0.0	0.0	0.0
Moga	400	413	8:01	402	0:08	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	411	16:09	400	0:16	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	415	7:09	407	0:09	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	413	3:13	404	11:06	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	3:02	387	19:22	0.0	13.8	0.0	0.0	0.0
Amritsar	400	415	8:00	405	0:20	0.0	0.0	0.0	0.0	0.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	414	6:01	406	0:06	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	419	7:22	400	20:54	0.0	0.0	0.0	0.0	0.0

VIII(B). 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	782	7:08	750	0:08	0.0	0.0	0.0	0.0	0.0
Balia	765	788	7:21	752	22:17	0.0	0.0	0.0	0.0	0.0
Moga	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Agra	765	793	7:04	763	0:03	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	797	6:45	771	0:09	0.0	0.0	0.0	0.0	0.0

Unnao	765	773	7:18	739	22:30	0.0	4.2	0.0	0.0	0.0
Lucknow	765	793	7:25	752	22:08	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	7:22	772	0:08	0.0	0.0	5.8	0.0	5.8
Jhatikara	765	796	7:01	767	0:05	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	797	7:24	756	21:37	0.0	0.0	0.0	0.0	0.0
Anta	765	788	18:02	766	0:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	8:03	768	0:00	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	509.16	1500.16	501.69	1166.44	979.59	599.30
Pong	426.72	384.05	421.19	946.20	417.41	768.49	849.36	312.84
Tehri	829.79	740.04	818.85	979.26	818.85	979.26	528.34	170.00
Koteshwar	612.50	598.50	611.25	5.20	610.93	5.08	170.00	169.44
Chamera-I	760.00	748.75	754.05	0.00	0.00	0.00	297.80	303.07
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	520.51	3.68	521.49	6.42	341.98	371.60

*** 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	1088	0	0	679	-202	0	26.28	-1.71	24.58
Delhi	598	-120	0	518	-186	0	12.66	-0.65	12.00
Haryana	917	195	0	917	28	0	18.16	4.15	22.31
HP	-1305	-267	0	-1096	-593	0	-27.67	-7.48	-35.15
J&K	-502	-495	0	-502	-237	0	-12.06	-6.07	-18.12
CHD	0	0	0	0	-35	0	0.00	0.35	0.35
Rajasthan	-8	341	0	-211	53	0	-1.21	3.67	2.46
UP	1194	836	0	1800	39	0	23.63	22.79	46.43
Uttarakhand	-28	-216	0	-48	-73	0	-1.08	-2.71	-3.79
Total	**1954**	**275**	**0**	**2056**	**-1207**	**0**	**38.72**	**12.34**	**51.06**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1291	679	0	-303	0	0
Delhi	924	346	366	-429	0	0
Haryana	917	667	230	25	0	0
HP	-1026	-1414	-176	-659	0	0
J&K	-502	-502	-30	-500	0	0
CHD	0	0	64	-35	0	0
Rajasthan	-8	-211	341	-1636	0	0
UP	1849	526	2117	-49	0	0
Uttarakhand	-28	-57	8	-340	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. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	1	20
Haryana	4	18
Rajasthan	2	28
Delhi	2	24
UP	1	13
Uttarakhand	4	26
HP	3	29
J & K	2	32
Chandigarh	3	19

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.09.2017 :

XVI. Synchronisation of new generating units :

XVII. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

XVIII. Tripping of lines in pooling stations :

XIX. 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 : 01.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER