पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तर क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 11.09.2017
Date of Reporting : 12.09.2017

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
53660	1869	55529	50.00	49927	1037	50964	49.92	1205.21	33.76

* 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	101.62	14.54	0.23	116.39	103.87	102.25	-1.62	218.64	0.00
Haryana	45.76	0.79	0.00	46.55	122.66	124.03	1.37	170.58	10.02
Rajasthan	124.60	1.68	7.56	133.83	80.02	78.55	-1.47	212.38	1.16
Delhi	24.15		0.00	24.15	89.82	89.13	-0.69	113.28	0.00
UP	178.74	25.10	0.00	203.84	177.40	179.31	1.91	383.15	13.60
Uttarakhand	6.69	20.59	0.70	27.97	11.65	11.95	0.30	39.93	0.11
HP		13.02	7.03	20.04	4.39	4.68	0.28	24.72	0.00
J & K		19.57	0.00	19.57	18.00	17.73	-0.27	37.30	8.88
Chandigarh				0.00	5.60	5.24	-0.36	5.24	0.00
Total	**481.55**	**95.29**	**15.51**	**592.35**	**613.41**	**612.87**	**-0.54**	**1205.21**	33.76

* 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	9728	0	68	477	9192	0	-91	506	9728	20	0
Haryana	7789	353	-184	933	7048	0	216	831	8295	22	144
Rajasthan	8709	0	-61	-3	8958	0	103	13	9404	1	0
Delhi	4898	0	-120	318	4740	0	195	287	5378	16	0
UP	17283	1030	26	1006	16441	840	-130	1898	17283	20	1030
Uttarakhand	1860	0	-33	-275	1402	0	-52	-224	1875	21	0
HP	1209	0	-58	-1424	849	0	-29	-1332	1298	13	25
J&K	1945	486	182	-507	1116	197	-94	-498	1953	21	488
Chandigarh	239	0	-35	-50	181	0	-14	0	259	15	0
Total	**53660**	**1869**	**-215**	**476**	**49927**	**1037**	**104**	**1481**	**53660**	**20**	**1869**

* 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	1720	1883	1877	41.80	1741	41.28	0.52
	Rihand I STPS (2*500)	1000	923	1010	932	22.06	919	21.76	0.30
	Rihand II STPS (2*500)	1000	943	1029	1033	23.01	959	22.37	0.64
	Rihand III STPS (2*500)	1000	943	1004	1014	22.89	954	22.20	0.69
	Dadri I STPS (4*210)	840	576	528	552	12.84	535	13.33	-0.50
	Dadri II STPS (2*490)	980	929	841	856	20.61	859	21.47	-0.86
	Unchahar I TPS (2*210)	420	383	375	404	8.79	366	8.82	-0.03
	Unchahar II TPS (2*210)	420	383	338	413	8.72	363	8.78	-0.06
	Unchahar III TPS (1*210)	210	192	175	203	4.25	177	4.42	-0.17
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	896	941	920	19.61	817	20.31	-0.70
	Dadri GPS (4*130.19+2*154.51)	830	562	348	224	6.67	278	6.84	-0.17
	Anta GPS (3*88.71+1*153.2)	419	299	369	212	6.86	286	6.92	-0.05
	Auraiya GPS (4*111.19+2*109.30)	663	568	326	187	6.27	261	6.35	-0.08
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.00	0	0.07	-0.07
	KHEP(4*200)	800	792	865	0	9.43	393	8.50	0.93
	Sub Total (A)	**12612**	**10114**	**10032**	**8827**	**214**	**8912**	**213**	**0.38**
B. NPC	NAPS (2*220)	440	381	415	415	9.03	376	9.14	-0.11
	RAPS- B (2*220)	440	379	430	422	9.21	384	9.02	0.20
	RAPS- C (2*220)	440	430	450	450	9.59	400	10.32	-0.73
	Sub Total (B)	**1320**	**1190**	**1295**	**1287**	**27.84**	**1160**	**28.48**	**-0.64**
C. NHPC	Chamera I HPS (3*180)	540	534	541	0	6.52	272	6.27	0.25
	Chamera II HPS (3*100)	300	300	302	203	5.10	213	4.94	0.16
	Chamera III HPS (3*77)	231	139	229	156	3.44	143	3.33	0.11
	Bairasuil HPS(3*60)	180	160	62	63	1.51	63	1.31	0.20
	Salal-HPS (6*115)	690	527	667	614	13.99	583	12.64	1.35
	Tanakpur-HPS (3*31.4)	94	90	97	96	2.27	95	2.15	0.12
	Uri-I HPS (4*120)	480	279	420	249	7.23	301	6.69	0.54
	Uri-II HPS (4*60)	240	157	167	161	3.97	166	3.78	0.19
	Dhauliganga-HPS (4*70)	280	207	288	213	5.10	212	4.95	0.15
	Dulhasti-HPS (3*130)	390	387	401	401	9.47	394	9.24	0.23
	Sewa-II HPS (3*40)	120	119	125	0	2.30	96	2.20	0.10
	Parbati 3 (4*130)	520	182	515	0	2.27	94	2.18	0.09
	Sub Total (C)	**4065**	**3079**	**3813**	**2156**	**63**	**2632**	**60**	**3.50**
D.SJVNL	NJPC (6*250)	1500	1482	1478	1018	27.12	1130	26.27	0.86
	Rampur HEP (6*68.67)	412	408	410	299	7.76	323	7.29	0.47
	Sub Total (D)	**1912**	**1890**	**1888**	**1317**	**34.89**	**1454**	**33.56**	**1.33**
E. THDC	Tehri HPS (4*250)	1000	988	1008	0	10.32	430	10.10	0.22
	Koteshwar HPS (4*100)	400	146	399	92	3.62	151	3.50	0.11
	Sub Total (E)	**1400**	**1134**	**1407**	**92**	**13.93**	**580**	**13.60**	**0.33**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	1047	1345	933	25.17	1049	25.12	0.05
	Dehar HPS (6*165)	990	572	825	495	14.05	585	13.72	0.32
	Pong HPS (6*66)	396	295	396	132	7.17	299	7.09	0.08
	Sub Total (F)	**2765**	**1914**	**2566**	**1560**	**46.38**	**1933**	**45.93**	**0.45**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	112	89	1.84	77	1.82	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1000	600	15.21	634	14.83	0.38
	Malana Stg-II HPS (2*50)	100	0	95	50	1.14	47	1.12	0.02
	Shree Cement TPS (2*150)	300	0	149	148	3.53	147	3.53	0.00
	Budhil HPS(IPP) (2*35)	70	0	44	44	0.93	39	0.98	-0.05
	Sub Total (G)	**1662**	**0**	**1400**	**931**	**22.65**	**944**	**22.28**	**0.37**
H. Total Regional Entities (A-G)		**25737**	**19321**	**22401**	**16170**	**422.73**	**17614**	**417.01**	**5.71**

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	490	530	11.31	471
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	192	200	4.15	173
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	586	611	13.28	553
	Goindwal(GVK) (2*270)	540	360	491	9.65	402
	Rajpura (2*700)	1400	1320	1320	28.65	1194
	Talwandi Saboo (3*660)	1980	1500	1841	34.59	1441
	Thermal (Total)	**6560**	**4448**	**4994**	101.62	**4234**
	Total Hydro	1000	706	585	14.54	606
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.15	6
	Solar	859	0	0	0.08	3
	Renewable(Total)	**1162**	**0**	**0**	**0.23**	**10**
	Total Punjab	**8722**	**5154**	**5579**	**116.39**	**4850**
Haryana	Panipat TPS (2*210+2*250)	920	215	199	5.03	210
	DCRTPP (Yamuna nagar) (2*300)	600	271	230	5.86	244
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	543	370	10.59	441
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1173	904	24.28	1012
	Thermal (Total)	**4497**	**2202**	**1703**	**45.76**	**1907**
	Total Hydro	62	25	28	0.79	33
	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**	**2227**	**1731**	**46.55**	**1940**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	881	876	21.27	886
	suratgarh TPS (6*250)	1500	722	835	19.59	816
	Chabra TPS (4*250)	1000	421	381	10.51	438
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	86	90	2.11	88
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	157	186	4.37	182
	RAPS A (NPC) (1*100+1*200)	300	163	174	4.20	175
	Barsingsar (NLC) (2*125)	250	114	113	2.70	113
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	784	831	19.53	814
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	890	1124	25.42	1059
	Kawai(Adani) (2*660)	1320	618	615	14.90	621
	Thermal (Total)	**9536**	**4836**	**5225**	**124.60**	**5192**
	Total Hydro	550	75	43	1.68	70
	Wind power	4292	100	371	5.02	209
	Biomass	102	20	20	0.48	20
	Solar	1995	0	0	2.05	86
	Renewable/Others (Total)	6389	120	391	7.56	315
	Total Rajasthan	**16475**	**5031**	**5659**	**133.83**	**5576**
UP	Anpara TPS (3*210+2*500)	1630	1162	1185	29.40	1225
	Obra TPS (2*50+2*94+5*200)	1194	433	395	9.70	404
	Paricha TPS (2*110+2*220+2*250)	1160	602	612	14.80	617
	Panki TPS (2*105)	210	59	63	1.40	58
	Harduaganj TPS (1*60+1*105+2*250)	665	448	450	10.80	450
	Tanda TPS (NTPC) (4*110)	440	392	403	9.42	392
	Roza TPS (IPP) (4*300)	1200	801	769	18.50	771
	Anpara-C (IPP) (2*600)	1200	1103	1112	26.50	1104
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	452	448	10.70	446
	Lalitpur TPS(3*660)	1980	1829	1195	32.20	1342
	Bara(2*660)	1320	609	611	14.60	608
	Thermal (Total)	**12449**	**7890**	**7243**	**178.02**	**7417**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.50	438
	Alaknanada(4*82.5)	330	342	339	8.10	338
	Other Hydro	527	295	295	6.50	271
	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**	**8992**	**8342**	**203.84**	**8493**
Uttarakhand	Other Hydro	1250	893	871	20.59	858
	Total Gas	225	274	284	6.69	279
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.70	29
	Solar	100	0	0	0.00	0
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.70	29
	Total Uttarakhand	**1882**	**1167**	**1155**	**27.97**	**1166**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	148	145	3.52	147
	Pragati Gas Turbine (2x104+ 1x122)	330	267	261	5.98	249
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	309	310	7.43	310
	Badarpur TPS (NTPC) (3*95+2*210)	705	329	325	7.22	301
	Thermal (Total)	**2917**	**1052**	**1041**	**24.15**	**1006**
	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**	**1052**	**1041**	**24.15**	**1006**
HP	Baspa HPS (IPP) (3*100)	300	175	224	4.97	207
	Malana HPS (IPP) (2*43)	86	51	54	1.23	51
	Other Hydro (>25MW)	372	362	210	6.82	284
	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	309	284	7.03	293
	Renewable(Total)	**486**	**309**	**284**	**7.03**	**293**
	Total HP	**1244**	**897**	**772**	**20.04**	**835**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	737	736	17.23	718
	Other Hydro/IPP(including 98 MW Small Hydro)	308	140	70	2.34	98
	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**	**877**	**806**	**20**	**816**
Total State Control Area Generation		**52226**	**25397**	**25084**	**592.35**	**24681**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7883**	**9557**	**209.38**	**8724**
Total Regional Availability(Gross)		**77963**	**55681**	**50812**	**1224.45**	**51019**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**11745**	**5864**	**186.92**	**7749**
State Control Area Hydro	**7243**	**4819**	**4458**	**95.29**	**4571**
Total Regional Hydro	**19477**	**16564**	**10322**	**282.20**	**12320**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.07**	**3**
State Control Area Renewable	**8844**	**429**	**675**	**15.51**	**646**
Total Regional Renewable	**8874**	**429**	**675**	**15.58**	**649**

VI(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)	-400	-400	0	400	0.00	9.71	-9.71
765 KV Gwalior-Agra (D/C)	1929	2547	2547	0	49.47	0.00	49.47
400 KV Zerda-Kankroli	-67	-11	47	84	0.00	0.49	-0.49
400 KV Zerda-Bhinmal	69	42	157	31	1.40	0.00	1.40
220 KV Auraiya-Malanpur	-124	-81	0	157	0.00	2.64	-2.64
220 KV Badod-Kota/Morak	16	-1	76	55	0.06	0.00	0.06
Mundra-Mohindergarh(HVDC Bipole)	1999	1998	2005	0	42.11	0.00	42.11
400 KV RAPPC-Sujalpur	180	220	300	0	5.31	0.00	5.31
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	739	1048	1112	0	22.24	0.00	22.24
+/- 800 kV HVDC Champa-Kurushetra	1500	1200	2000	0	34.15	0	34.15
Sub Total WR	**5841**	**6562**			**154.73**	**12.84**	**141.89**
400 kV Sasaram - Varanasi	178	160	178	0	4.05	0.00	4.05
400 kV Sasaram - Allahabad	14	30	45	0	0.62	0.00	0.62
400 KV MZP- GKP (D/C)	302	504	570	0	12.10	0.00	12.10
400 KV Patna-Balia(D/C) X 2	382	654	794	0	14.98	0.00	14.98
400 KV B'Sharif-Balia (D/C)	91	169	248	0	4.17	0.00	4.17
765 KV Gaya-Balia	277	307	332	0	6.27	0.00	6.27
765 KV Gaya-Varanasi (D/C)	152	370	398	0	6.57	0.00	6.57
220 KV Pusauli-Sahupuri	213	180	213	0	3.71	0.00	3.71
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-23	-27	0	33	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-268	-155	0	276	0.00	2.88	-2.88
400 KV Barh -GKP (D/C)	-214	-192	0	220	0.00	4.01	-4.01
400 kV B'Sharif - Varanasi (D/C)	138	-5	151	-61	0.21	0.00	0.21
+/- 800 KV HVDC Alipurduar-Agra	300	300	300	0	11.15	0.00	11.15
Sub Total ER	**1542**	**2295**			**63.82**	**7.47**	**56.36**
+/- 800 KV HVDC BiswanathCharialli-Agra	500	700	700	0.00	11.13	0.00	11.13
Sub Total NER	**500**	**700**			**11.13**	**0.00**	**11.13**
Total IR Exch	**7883**	**9557**			**229.69**	**20.31**	**209.38**

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
45.04	3.38	48.42	13.70	15.20	-17.23	-1.52	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
44.89	182.16	227.06	67.49	141.89	209.38	22.60	-40.27	-17.68

VI(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	-22	-12	0	28	0	0	-0.44

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	1.23	25.21	84.43	71.53	3.01	0.37	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)	
50.14	18.02	49.76	9.13	49.94	0.075	0.060	50.04	49.81	28.47

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	402	6:03	397	23:13	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	6:01	388	23:13	0.0	0.8	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	6:00	393	14:28	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	7:04	399	14:28	0.0	0.0	0.0	0.0	0.0
Dadri	400	412	7:06	394	14:24	0.0	0.0	0.0	0.0	0.0

Ballabhgarh	400	415	7:03	394	14:17	0.0	0.0	0.0	0.0	0.0
Bawana	400	409	7:00	391	14:27	0.0	0.0	0.0	0.0	0.0
Bassi	400	416	4:00	401	12:13	0.0	0.0	0.0	0.0	0.0
Hissar	400	408	6:22	394	12:39	0.0	0.0	0.0	0.0	0.0
Moga	400	407	3:30	397	18:45	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	412	6:27	395	18:46	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	412	3:10	398	18:47	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	413	2:29	399	19:15	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	3:27	381	19:17	0.0	12.6	0.0	0.0	0.0
Amritsar	400	410	3:00	399	18:55	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	398	0:00	398	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	401	9:41	396	13:54	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	774	6:00	739	14:27	0.0	5.5	0.0	0.0	0.0
Balia	765	785	6:01	752	19:53	0.0	0.0	0.0	0.0	0.0
Moga	765	782	7:00	761	14:26	0.0	0.0	0.0	0.0	0.0
Agra	765	788	7:01	761	12:35	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	792	7:00	758	18:18	0.0	0.0	0.0	0.0	0.0
Unnao	765	757	0:00	757	0:00	0.0	0.0	0.0	0.0	0.0
Lucknow	765	793	6:01	755	23:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	795	6:59	761	14:31	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	790	6:02	761	14:28	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	793	6:02	753	23:13	0.0	0.0	0.0	0.0	0.0
Anta	765	783	18:05	762	11:50	0.0	0.0	0.0	0.0	0.0
Phagi	765	789	7:02	766	12:14	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	509.78	1545.02	502.90	1219.07	619.63	779.42
Pong	426.72	384.05	421.57	961.02	418.01	794.52	320.15	404.39
Tehri	829.79	740.04	823.50	1076.22	823.30	1071.99	210.52	226.00
Koteshwar	612.50	598.50	610.90	5.10	608.71	4.69	226.00	238.02
Chamera-I	760.00	748.75	751.43	0.00	0.00	0.00	185.00	177.09
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	521.98	4.16	521.08	7.71	176.98	140.88

*** 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	1111	-606	0	679	-202	0	26.59	-6.46	20.13
Delhi	591	-304	0	483	-165	0	11.91	-4.68	7.23
Haryana	825	6	0	926	7	0	17.56	-1.19	16.37
HP	-1275	-57	0	-1047	-377	0	-26.21	-3.38	-29.58
J&K	-502	5	0	-502	-5	0	-12.05	2.31	-9.74
CHD	0	0	0	0	-50	0	0.00	-0.21	-0.21
Rajasthan	-8	21	0	-8	5	0	-0.18	2.06	1.88
UP	980	918	0	1068	-61	0	18.60	4.16	22.76
Uttarakhand	-45	-179	0	-60	-215	0	-1.32	-3.67	-4.99
Total	**1677**	**-196**	**0**	**1540**	**-1064**	**0**	**34.90**	**-11.05**	**23.84**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1315	679	0	-606	0	0
Delhi	856	258	94	-491	0	0
Haryana	926	465	36	-592	0	0
HP	-711	-1314	-1	-377	0	0
J&K	-502	-502	431	-207	0	0
CHD	0	0	54	-50	0	0
Rajasthan	-8	-8	609	0	0	0
UP	1314	580	1115	-65	0	0
Uttarakhand	-45	-60	4	-346	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	13
Haryana	1	13
Rajasthan	3	38
Delhi	4	36
UP	0	10
Uttarakhand	5	35
HP	1	15
J & K	3	25
Chandigarh	4	36

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 11.09.2017 :

XVI. Synchronisation of new generating units :

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

1. 200 MVA ICT1 AT 400/220 KV Nehtaur first time charged at 1337 hrs on 11.09.2017 via bay No. 401

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 : 11.09.2017 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**