पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
उत्तर क्षेत्रीय भार प्रेषण केंद्र
CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.09.2017
Date of Reporting : 27.09.2017

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
48903	1481	50384	49.96	43325	425	43750	49.98	1067.84	22.96

* 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	Gas/Naptha/ Diesal	Solar	Wind	Other (Biomass/ Small hydro/ Co-Generation etc.)	Total					
Punjab	68.59	18.22	0.00	0.07	0.00	0.09	86.97	94.99	95.12	0.13	182.09	0.00
Haryana	37.10	0.86	0.00	0.00	0.00	0.00	37.96	102.71	104.25	1.54	142.21	7.05
Rajasthan	98.99	1.70	6.42	2.50	13.64	0.81	124.07	75.29	77.89	2.60	201.95	5.10
Delhi	3.89	0.00	7.86	0.00	0.00	0.00	11.75	85.65	85.34	-0.32	97.08	0.05
UP	160.06	24.52	0.00	0.00	0.00	1.20	185.78	155.58	155.58	0.00	341.36	0.00
Uttarakhand	0.00	17.32	6.76	0.62	0.00	0.00	24.70	11.92	11.65	-0.27	36.35	0.31
HP	0.00	11.36	0.00	0.00	0.00	5.20	16.56	0.88	3.24	2.36	19.80	0.44
J & K	0.00	16.39	0.00	0.00	0.00	0.00	16.39	20.79	25.86	5.07	42.25	10.02
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.89	4.75	-0.14	4.75	0.00
Total	**368.64**	**90.36**	**21.04**	**3.20**	**13.64**	**7.30**	**504.17**	**552.70**	**563.67**	**10.97**	**1067.84**	22.96

* 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	7815	0	-66	108	6922	0	36	900	8239	17	0
Haryana	6944	480	63	578	5675	0	119	668	7125	21	75
Rajasthan	8868	471	308	-88	8903	0	52	20	9147	2	0
Delhi	4568	0	-22	176	3576	0	2	172	4580	17	0
UP	15461	0	0	835	14428	180	0	892	15945	24	300
Uttarakhand	1628	0	-315	-154	1394	0	169	-442	1660	14	0
HP	1274	0	252	-1521	884	0	56	-1159	1337	8	0
J&K	2121	530	212	-187	1389	245	180	-614	2121	20	530
Chandigarh	225	0	-41	-50	153	0	23	-70	241	19	0
Total	**48903**	**1481**	**391**	**-303**	**43325**	**425**	**636**	**366**	**49021**	**21**	**600**

* 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	1899	1904	42.48	1770	41.70	0.78
	Rihand I STPS (2*500)	1000	923	1001	1011	22.16	923	22.09	0.06
	Rihand II STPS (2*500)	1000	943	1017	1009	22.96	957	22.60	0.35
	Rihand III STPS (2*500)	1000	943	1009	1019	22.84	952	22.53	0.30
	Dadri I STPS (4*210)	840	769	764	466	14.82	617	15.21	-0.39
	Dadri II STPS (2*490)	980	882	966	558	18.50	771	19.31	-0.82
	Unchahar I TPS (2*210)	420	383	407	297	8.26	344	8.58	-0.33
	Unchahar II TPS (2*210)	420	383	381	297	8.27	344	8.67	-0.41
	Unchahar III TPS (1*210)	210	192	207	132	4.15	173	4.32	-0.17
	Unchahar IV TPS(1*500)	500		0	0	0.00	0	0.00	0.00
	ISTPP (Jhajjhar) (3*500)	1500	1147	1234	875	24.42	1018	25.47	-1.05
	Dadri GPS (4*130.19+2*154.51)	830	777	363	396	8.47	353	8.34	0.13
	Anta GPS (3*88.71+1*153.2)	419	353	283	242	6.39	266	6.31	0.08
	Auraiya GPS (4*111.19+2*109.30)	663	400	198	243	4.92	205	4.76	0.17
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.04	0.00
	Singrauli Solar(15)	15	3	0	0	0.04	2	0.06	-0.02
	KHEP(4*200)	800	792	865	409	10.99	458	10.00	0.99
	Sub Total (A)	**12612**	**10631**	**10594**	**8858**	**220**	**9155**	**220**	**-0.32**
B. NPC	NAPS (2*220)	440	386	418	431	9.15	381	9.26	-0.12
	RAPS- B (2*220)	440	385	427	433	9.27	386	9.15	0.12
	RAPS- C (2*220)	440	430	450	450	9.69	404	10.32	-0.63
	Sub Total (B)	**1320**	**1201**	**1295**	**1314**	**28.11**	**1171**	**28.73**	**-0.62**
C. NHPC	Chamera I HPS (3*180)	540	534	544	0	7.23	301	7.00	0.23
	Chamera II HPS (3*100)	300	214	304	204	4.94	206	4.98	-0.03
	Chamera III HPS (3*77)	231	142	227	153	3.55	148	3.41	0.15
	Bairasuil HPS(3*60)	180	153	124	14	1.17	49	0.95	0.22
	Salal-HPS (6*115)	690	449	324	520	11.31	471	10.78	0.54
	Tanakpur-HPS (3*31.4)	94	37	65	95	0.92	38	0.88	0.04
	Uri-I HPS (4*120)	480	154	309	121	3.95	165	3.58	0.37
	Uri-II HPS (4*60)	240	95	182	80	2.41	100	2.28	0.12
	Dhauliganga-HPS (4*70)	280	246	288	287	6.02	251	5.89	0.12
	Dulhasti-HPS (3*130)	390	387	399	398	9.46	394	9.28	0.18
	Sewa-II HPS (3*40)	120	119	118	0	0.36	15	0.36	0.00
	Parbati 3 (4*130)	520	108	514	0	2.42	101	2.37	0.05
	Sub Total (C)	**4065**	**2636**	**3398**	**1871**	**54**	**2239**	**52**	**2.00**
D.SJVNL	NJPC (6*250)	1500	1482	1498	787	24.87	1036	24.34	0.53
	Rampur HEP (6*68.67)	412	408	422	221	7.18	299	6.78	0.39
	Sub Total (D)	**1912**	**1890**	**1920**	**1008**	**32.04**	**1335**	**31.12**	**0.92**
E. THDC	Tehri HPS (4*250)	1000	988	996	0	8.95	373	8.80	0.15
	Koteshwar HPS (4*100)	400	118	298	92	2.90	121	2.84	0.07
	Sub Total (E)	**1400**	**1106**	**1294**	**92**	**11.85**	**494**	**11.64**	**0.21**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	807	1217	652	19.59	816	19.36	0.23
	Dehar HPS (6*165)	990	567	660	495	13.83	576	13.60	0.23
	Pong HPS (6*66)	396	320	396	264	7.67	319	7.67	0.00
	Sub Total (F)	**2765**	**1693**	**2273**	**1411**	**41.08**	**1712**	**40.63**	**0.45**
G. IPP(s)/JV(s)	Allain DuhanganHPS(IPP) (2*96)	192	0	156	114	2.48	103	1.92	0.56
	Karcham Wangtoo HPS(IPP) (4*250)	1000	0	1000	340	13.69	570	13.41	0.28
	Malana Stg-II HPS (2*50)	100	0	111	70	1.55	65	1.46	0.09
	Shree Cement TPS (2*150)	300	0	146	147	3.46	144	3.44	0.02
	Budhil HPS(IPP) (2*35)	70	0	36	45	0.93	39	0.82	0.11
	Sainj HPS (IPP) (2*50)	100							
	Sub Total (G)	**1762**	**0**	**1449**	**717**	**22.12**	**922**	**21.05**	**1.07**
H. Total Regional Entities (A-G)		**25837**	**19156**	**22224**	**15271**	**408.67**	**17028**	**404.95**	**3.72**

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	90	0	1.21	50
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	252	193	4.99	208
	Goindwal(GVK) (2*270)	540	491	360	10.08	420
	Rajpura (2*700)	1400	660	660	15.79	658
	Talwandi Saboo (3*660)	1980	1775	924	36.68	1528
	Thermal (Total)	**6560**	**3268**	**2137**	68.59	**2858**
	Total Hydro	1000	749	791	18.22	759
	Wind Power	0	0	0	0.00	0
	Biomass	303	0	0	0.09	4
	Solar	859	0	0	0.07	3
	Renewable(Total)	**1162**	**0**	**0**	**0.16**	**7**
	Total Punjab	**8722**	**4017**	**2928**	**86.97**	**3624**
Haryana	Panipat TPS (2*210+2*250)	920	228	0	1.45	60
	DCRTPP (Yamuna nagar) (2*300)	600	522	446	11.16	465
	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	1167	910	24.50	1021
	Thermal (Total)	**4497**	**1917**	**1356**	**37.10**	**1546**
	Total Hydro	62	35	35	0.86	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**	**1952**	**1391**	**37.96**	**1582**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	730	729	17.42	726
	suratgarh TPS (6*250)	1500	668	629	15.42	642
	Chabra TPS (4*250)	1000	648	641	14.41	601
	Chabra TPS (1*660)	660	0	0	0.00	0
	Dholpur GPS (3*110)	330	87	87	2.14	89
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	184	93	4.28	178
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.38	16
	Barsingsar (NLC) (2*125)	250	221	222	5.19	216
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	834	836	20.05	835
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1123	1131	26.51	1104
	Kawai(Adani) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**9536**	**4495**	**4368**	**105.79**	**4408**
	Total Hydro	550	63	63	1.70	71
	Wind power	4292	202	1204	13.64	568
	Biomass	102	18	18	0.43	18
	Solar	1995	0	0	2.50	104
	Renewable/Others (Total)	6389	220	1222	16.57	691
	Total Rajasthan	**16475**	**4778**	**5653**	**124.07**	**5169**
UP	Anpara TPS (3*210+2*500)	1630	1185	1191	29.49	1229
	Obra TPS (2*50+2*94+5*200)	1194	451	467	10.10	421
	Paricha TPS (2*110+2*220+2*250)	1160	583	602	13.80	575
	Panki TPS (2*105)	210	108	104	2.60	108
	Harduaganj TPS (1*60+1*105+2*250)	665	437	439	10.00	417
	Tanda TPS (NTPC) (4*110)	440	379	385	9.23	384
	Roza TPS (IPP) (4*300)	1200	760	763	18.17	757
	Anpara-C (IPP) (2*600)	1200	546	553	13.12	547
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	452	457	10.85	452
	Lalitpur TPS(3*660)	1980	1231	752	21.23	884
	Bara(2*660)	1320	990	596	21.48	895
	Thermal (Total)	**12449**	**7122**	**6309**	**160.06**	**6669**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.47	436
	Alaknanada(4*82.5)	330	258	344	8.18	341
	Other Hydro	527	319	293	5.87	245
	Cogeneration	981	50	50	1.20	50
	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**	**8184**	**7431**	**185.78**	**7741**
Uttarakhand	Other Hydro	1250	878	750	17.32	722
	Total Gas	450	280	284	6.76	282
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	100	0	0	0.62	26
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	407	0	0	0.62	26
	Total Uttarakhand	**2107**	**1158**	**1034**	**24.70**	**1029**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	67	66	1.60	67
	Pragati Gas Turbine (2x104+ 1x122)	330	265	265	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	-0.13	-6
	Badarpur TPS (NTPC) (3*95+2*210)	705	170	175	3.90	162
	Thermal (Total)	**2917**	**502**	**506**	**11.75**	**489**
	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**	**502**	**506**	**11.75**	**489**
HP	Baspa HPS (IPP) (3*100)	300	104	166	3.88	162
	Malana HPS (IPP) (2*43)	86	84	35	1.21	50
	Other Hydro (>25MW)	372	324	260	6.26	261
	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	224	205	5.20	217
	Renewable(Total)	**486**	**224**	**205**	**5.20**	**217**
	Total HP	**1244**	**736**	**666**	**16.56**	**690**
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	588	589	13.98	583
	Other Hydro/IPP(including 98 MW Small Hydro)	308	138	92	2.40	100
	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**	**726**	**681**	**16**	**683**
Total State Control Area Generation		**52451**	**22054**	**20290**	**504.17**	**21007**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6392**	**8443.23**	**177.24**	**7385**
Total Regional Availability(Gross)		**78288**	**50669**	**44004**	**1090.08**	**45420**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**11018**	**5316**	**168.36**	**6976**
State Control Area Hydro	**7468**	**4479**	**4342**	**90.36**	**4290**
Total Regional Hydro	**19702**	**15497**	**9658**	**258.72**	**11266**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.11**	**4**
State Control Area Renewable	**8844**	**444**	**1427**	**22.56**	**940**
Total Regional Renewable	**8874**	**444**	**1427**	**22.66**	**944**

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)	-400	-500	0	500	0.00	10.53	-10.53
765 KV Gwalior-Agra (D/C)	1796	2403	2453	0	48.95	0.00	48.95
400 KV Zerda-Kankroli	-73	-100	0	185	0.00	2.54	-2.54
400 KV Zerda-Bhinmal	25	-112	67	211	0.00	1.57	-1.57
220 KV Auraiya-Malanpur	-110	-52	0	74	0.00	1.62	-1.62
220 KV Badod-Kota/Morak	-19	67	96	44	0.67	0.00	0.67
Mundra-Mohindergarh(HVDC Bipole)	1403	1498	1504	0	33.17	0.00	33.17
400 KV RAPPC-Sujalpur	227	198	262	0	4.61	0.00	4.61
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	550	1182	1208	0	20.41	0.00	20.41
+/- 800 kV HVDC Champa-Kurushetra	1000	1000	3000	0	22.43	0	22.43
Sub Total WR	**4399**	**5584**			**130.24**	**16.26**	**113.99**
400 kV Sasaram - Varanasi	207	197	207	0	4.83	0.00	4.83
400 kV Sasaram - Allahabad	31	46	53	0	1.02	0.00	1.02
400 KV MZP- GKP (D/C)	232	436	626	0	10.83	0.00	10.83
400 KV Patna-Balia(D/C) X 2	426	742	839	0	15.98	0.00	15.98
400 KV B'Sharif-Balia (D/C)	30	127	187	0	2.92	0.00	2.92
765 KV Gaya-Balia	186	244	265	0	4.55	0.00	4.55
765 KV Gaya-Varanasi (D/C)	19	226	245	0	3.10	0.00	3.10
220 KV Pusauli-Sahupuri	228	238	250	0	5.23	0.00	5.23
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	0	0	0	0	0.00	0.00	0.00
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-324	-268	0	324	0.00	4.75	-4.75
400 KV Barh -GKP (D/C)	-208	-184	0	218	0.00	4.10	-4.10
400 kV B'Sharif - Varanasi (D/C)	166	55	207	45	1.43	0.00	1.43
+/- 800 KV HVDC Alipurduar-Agra	300	300	300	0	11.11	0.00	11.11
Sub Total ER	**1293**	**2159**			**60.98**	**8.85**	**52.13**
+/- 800 KV HVDC BiswanathCharialli-Agra	700	700	700	0.00	11.12	0.00	11.12
Sub Total NER	**700**	**700**			**11.12**	**0.00**	**11.12**
Total IR Exch	**6392**	**8443**			**202.35**	**25.11**	**177.24**

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
42.07	2.56	44.62	15.64	18.40	-36.81	-4.25	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
23.45	161.25	184.70	63.26	113.99	177.24	39.81	-47.26	-7.46

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	-24	0	0	25	0	0	-0.39

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	0.50	14.69	73.64	80.81	4.65	0.13	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)	
50.13	6.01	49.76	16.23	49.96	0.048	0.056	50.05	49.83	19.19

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	402	4:03	398	14:31	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	409	7:45	388	19:17	0.0	2.9	0.0	0.0	0.0
Bareilly(PG)400kV	400	410	23:51	395	21:22	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	6:01	403	14:37	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	6:01	396	14:19	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	421	4:00	396	14:40	0.0	0.0	0.3	0.0	0.3
Bawana	400	417	6:01	395	14:25	0.0	0.0	0.0	0.0	0.0
Bassi	400	422	4:02	402	23:10	0.0	0.0	0.4	0.0	0.4
Hissar	400	415	4:02	395	14:20	0.0	0.0	0.0	0.0	0.0
Moga	400	416	3:58	398	14:19	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	421	5:57	401	14:25	0.0	0.0	0.4	0.0	0.4
Nalagarh	400	422	3:45	402	14:25	0.0	0.0	9.5	0.0	9.5
Kishenpur	400	419	4:00	398	18:44	0.0	0.0	0.0	0.0	0.0
Wagoora	400	413	4:02	374	18:47	14.2	59.6	0.0	0.0	14.2
Amritsar	400	421	4:03	402	14:21	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	416	3:59	398	14:21	0.0	0.0	0.0	0.0	0.0

Rishikesh	400	413	6:06	393	14:21	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 Deviation Index
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	782	6:01	752	19:18	0.0	0.0	0.0	0.0	0.0
Balia	765	782	6:01	755	19:18	0.0	0.0	0.0	0.0	0.0
Moga	765	797	6:00	762	14:21	0.0	0.0	0.0	0.0	0.0
Agra	765	796	6:01	765	14:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	5:58	770	14:39	0.0	0.0	3.2	0.0	3.2
Unnao	765	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Lucknow	765	780	7:07	754	19:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	6:00	768	14:39	0.0	0.0	8.3	0.0	8.3
Jhatikara	765	801	6:01	769	14:39	0.0	0.0	0.1	0.0	0.1
Bareilly 765 kV	765	788	6:01	757	14:47	0.0	0.0	0.0	0.0	0.0
Anta	765	788	3:56	770	11:21	0.0	0.0	0.0	0.0	0.0
Phagi	765	795	3:44	772	11:09	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)	nflow (m^3/s)	Usage (m^3/s)
Bhakra	513.59	445.62	508.86	1485.27	502.97	1219.07	702.88	581.63
Pong	426.72	384.05	420.92	931.43	416.85	755.83	315.56	441.91
Tehri	829.79	740.04	824.50	1097.37	824.55	1098.43	218.10	195.00
Koteshwar	612.50	598.50	610.61	4.92	609.99	4.44	195.00	191.86
Chamera-I	760.00	748.75	754.16	0.00	0.00	0.00	155.89	196.35
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	519.81	6.84	518.66	6.45	260.24	269.62

*** 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)	ilateral (MU	IEX / PXIL (MU)	Total (MU)
Punjab	1001	-101	0	411	-303	0	23.92	-5.36	18.56
Delhi	411	-239	0	349	-173	0	8.18	-4.74	3.44
Haryana	550	118	0	571	8	0	10.37	0.98	11.35
HP	-562	-596	0	-376	-1145	0	-10.79	-18.96	-29.74
J&K	-503	-111	0	-503	316	0	-12.07	3.51	-8.56
CHD	0	-70	0	0	-50	0	0.00	-0.77	-0.77
Rajasthan	-8	27	0	-8	-80	0	-0.18	-1.82	-2.00
UP	924	-32	0	849	-14	0	19.10	-0.60	18.50
Uttarakhand	-48	-394	0	-52	-101	0	-1.21	-4.37	-5.58
Total	**1765**	**-1399**	**0**	**1240**	**-1543**	**0**	**37.32**	**-32.12**	**5.20**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	1284	411	-77	-506	0	0
Delhi	683	123	30	-519	0	0
Haryana	714	292	119	-14	0	0
HP	-334	-643	-523	-1228	0	0
J&K	-503	-503	420	-142	0	0
CHD	0	0	0	-80	0	0
Rajasthan	-8	-8	61	-972	0	0
UP	1385	407	0	-32	0	0
Uttarakhand	-48	-52	43	-404	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	0	8
Haryana	1	19
Rajasthan	2	16
Delhi	2	16
UP	1	16
Uttarakhand	2	14
HP	5	29
J & K	4	30
Chandigarh	5	67

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.09.2017 :

XVI. Synchronisation of new generating units :

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

1. 220 KV Bay No. 211,212 at Jaipur South(POWERGRID) first time charged at 1327 and 1335Hrs respectively on 26.09.17
2. 220 KV Baghpat(PGCIL)-Baraut(UPPTCL) Circuit-I first time charged through Bay No. 212 at Baghpat s/s at 1710 hrs on 26.09.2017
3. 400 KV Kanpur (765 KV POWERGRID)-Allahabad(POWERGRID) ckt. I&II first time charged at 1911 hrs and 1829 hrs respectively on 26.09.2017

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 : 26.09.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER