

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 19.09.2016

Date of Reporting : 20.09.2016



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
50243	1415	51658	50.14	45762	1140	46902	50.02	1117.3	48.80

* 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:

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	85.54	17.42		104.05	108.27	108.26	-0.01	212.31	0.00
Haryana	48.12	0.97		49.09	129.00	126.90	-2.10	175.99	0.13
Rajasthan	124.76	1.26	6.49	132.51	76.54	78.78	2.25	211.30	15.08
Delhi	19.73			19.73	85.45	86.15	0.70	105.89	0.14
UP	148.97	24.80		173.77	129.81	132.35	2.54	306.11	23.72
Uttarakhand	17.19			21.13	15.36	17.30	1.94	38.43	0.81
HP		19.09		19.09	6.44	7.35	0.91	26.45	0.00
J & K		21.79	0.00	21.79	16.94	13.90	-3.04	35.69	8.92
Chandigarh				0.00	5.89	5.08	-0.81	5.08	0.00
Total	427.13	102.52	6.49	541.17	573.70	576.08	2.37	1117.25	48.80

* Shortage furnished by the respective constituent's Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

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	9299	0	-71	945	8202	0	152	800	9329	22:00	0
Haryana	8606	207	-20	1518	7550	0	65	1703	8606	20:00	207
Rajasthan	9195	412	15	855	8416	0	180	427	9986	24:00	248
Delhi	4689	0	25	304	4274	0	128	188	5077	24:00	12
UP	13396	320	-21	369	13731	855	378	1803	14094	1:00	245
Uttarakhand	1822	40	133	-36	1410	0	48	-95	1830	19:00	40
HP	1246	0	-10	-1137	842	0	-30	-789	1292	8:00	0
J&K	1745	436	-160	-589	1138	285	-260	-644	1765	19:00	441
Chandigarh	246	0	-44	0	198	0	7	0	258	22:00	0
Total	50243	1415	-153	2229	45762	1140	669	3393	50243	20:00	1415

* STOA figures are at seller's boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

III. Regional Entities :

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW	Off Peak MW	Energy	Average	Schedule	UI	
				(Gross)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU	
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1726	1972	1744	41.81	1742	41.42	0.39	
	Rihand I STPS (2*500)	1000	943	1017	1023	22.71	946	22.54	0.17	
	Rihand II STPS (2*500)	1000	953	1011	1012	23.11	963	22.78	0.33	
	Rihand III STPS (2*500)	1000	953	1012	1018	22.79	950	22.78	0.01	
	Dadri I STPS (4*210)	840	815	644	501	12.61	525	13.29	-0.68	
	Dadri II STPS (2*490)	980	970	924	898	20.59	858	22.04	-1.45	
	Unchahar I TPS (2*210)	420	140	164	162	3.49	146	3.33	0.17	
	Unchahar II TPS (2*210)	420	396	363	419	9.00	375	9.43	-0.43	
	Unchahar III TPS (1*210)	210	200	208	205	4.51	188	4.74	-0.23	
	ISTPP (Jhajjar) (3*500)	1500	1425	507	306	7.77	324	8.03	-0.26	
	Dadri GPS (4*130.19+2*154.51)	830	781	355	364	7.94	331	8.62	-0.68	
	Anta GPS (3*88.71+1*153.2)	419	393	300	291	7.64	319	7.66	-0.01	
	Auraiya GPS (4*111.19+2*109.30)	663	623	0	0	0.00	0	0.00	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	0.04	2	0.05	0.00	
	KHEP(4*200)	800	855	855	159	9.64	402	9.10	0.54	
	Sub Total (A)	12112	11177	9332	8102	194	8071	196	-2.15	
	B. NPC	NAPS (2*220)	440	170	189	144	3.90	163	4.08	-0.18
		RAPS- B (2*220)	440	373	412	421	8.92	372	8.95	-0.04
RAPS- C (2*220)		440	200	218	219	4.61	192	4.80	-0.19	
Sub Total (B)		1320	743	819	784	17.43	726	17.83	-0.40	
C. NHPC	Chamera I HPS (3*180)	540	540	552	0	4.75	198	4.50	0.25	
	Chamera II HPS (3*100)	300	301	313	102	4.46	186	4.30	0.16	
	Chamera III HPS (3*77)	231	221	229	78	3.03	126	2.87	0.16	
	Bairasuli HPS(3*60)	180	179	184	0	1.58	66	1.51	0.07	
	Salal-HPS (6*115)	690	491	670	356	12.43	518	11.78	0.65	
	Tanakpur-HPS (3*31.4)	94	81	92	89	2.18	91	1.96	0.22	
	Uri-I HPS (4*120)	480	245	264	250	6.42	268	5.88	0.55	
	Uri-II HPS (4*60)	240	138	182	123	3.62	151	3.30	0.31	
	Dhauliganga-HPS (4*70)	280	280	278	70	3.67	153	3.54	0.14	
	Dulhasti-HPS (3*130)	390	383	397	392	9.26	386	9.18	0.07	
	Sewa-II HPS (3*40)	120	119	42	0	0.75	31	0.70	0.05	
	Parbati 3 (4*130)	520	520	521	0	2.09	87	2.02	0.07	
	Sub Total (C)	4065	3498	3724	1460	54	2260	52	2.71	
	D.SJVNL	NJPC (6*250)	1500	1605	1607	1239	28.56	1190	28.15	0.41
Rampur HEP (6*68.67)		412	442	447	363	8.28	345	7.85	0.43	
Sub Total (D)		1912	2047	2054	1602	36.83	1535	35.99	0.84	
E. THDC	Tehri HPS (4*250)	1000	1071	1078	0	10.79	450	10.63	0.17	
	Koteshwar HPS (4*100)	400	110	365	72	3.11	130	3.05	0.06	
	Sub Total (E)	1400	1181	1443	72	13.91	579	13.67	0.23	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	891	1326	666	21.58	899	21.38	0.19	
	Dehar HPS (6*165)	990	565	825	580	13.93	580	13.56	0.37	
	Pong HPS (6*66)	396	296	330	198	7.21	300	7.10	0.11	
	Sub Total (F)	2765	1752	2481	1444	42.71	1780	42.04	0.67	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	89	89	1.98	83	1.88	0.11	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	960	900	16.50	688	16.33	0.17	
	Malana Stg-II HPS (2*50)	100	0	90	55	1.55	65	1.45	0.10	
	Shree Cement TPS (2*150)	300	0	293	289	6.54	273	6.53	0.01	
	Budhil HPS(IPP) (2*35)	70	0	35	44	0.87	36	1.07	-0.20	
	Sub Total (G)	1662	0	1467	1378	27.45	1144	27.25	0.20	
H. Total Regional Entities (A-G)	25237	20397	21319	14841	386.26	16094	384.16	2.10		

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	1050	850	21.11	880
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	228	180	4.46	186
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	717	714	15.30	638
	Goindwal(GVK) (2*270)	540	0	0	0.00	0
	Rajpura (2*700)	1400	660	660	16.37	682
	Talwandi Saboo (3*660)	1980	1228	1140	28.30	1179
	Thermal (Total)	6560	3883	3544	85.54	3564
	Total Hydro	1000	760	757	17.42	726
	Wind Power	0	0	0	0.00	0
	Biomass	73	0	0	0.80	33
	Solar	494	0	0	0.29	12
	Renewable(Total)	567	0	0	1.09	45
	Total Punjab	8127	4643	4301	104.05	4335
	Haryana	Panipat TPS (2*210+2*250)	920	203	205	5.07
DCRTPP (Yamuna nagar) (2*300)		600	555	460	12.44	518
Faridabad GPS (NTPC)(2*137.75+1*156)		432	313	369	7.74	322
RGTPP (khardar) (IPP) (2*600)		1200	1137	778	22.88	953
Magnum Diesel (IPP)		25	0	0	0.00	0
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0
Thermal (Total)		4497	2208	1812	48.12	2005
Total Hydro		62	41	41	0.97	40
Wind Power		0	0	0	0.00	0
Biomass		40	0	0	0.00	0
Solar		0	0	0	0.00	0
Renewable(Total)		40	0	0	0.00	0
Total Haryana		4599	2249	1853	49.09	2045
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	851	599	18.69
	suratgarh TPS (6*250)	1500	782	912	20.63	860
	Chabra TPS (4*250)	1000	670	582	15.52	647
	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	105	106	2.64	110
	RAPS A (NPC) (1*100+1*200)	300	167	166	4.17	174
	Barsingsar (NLC) (2*125)	250	227	226	5.35	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	695	703	16.64	693
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	563	403	11.68	487
	Kawai(Adani) (2*660)	1320	1237	1229	29.44	1227
	Thermal (Total)	8876	5297	4926	124.76	5198
	Total Hydro	550	74	0	1.26	53
	Wind power	4017	69	288	5.49	229
	Biomass	99	21	21	0.50	21
	Solar	1295	2	0	0.50	21
	Renewable/Others (Total)	5411	92	309	6.49	270
	Total Rajasthan	14837	5463	5235	132.51	5521
	UP	Anpara TPS (3*210+2*500)	1630	810	743	19.97
Obra TPS (2*50+2*94+5*200)		1194	311	346	7.56	315
Paricha TPS (2*110+2*220+2*250)		1160	887	811	18.88	787
Panki TPS (2*105)		210	135	150	3.50	146
Harduaganj TPS (1*60+1*105+2*250)		665	432	433	10.36	432
Tanda TPS (NTPC) (4*110)		440	360	360	8.40	350
Roza TPS (IPP) (4*300)		1200	1098	1103	26.38	1099
Anpara-C (IPP) (2*600)		1200	648	639	15.44	643
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	365	404	9.32	388
Anpara-D(2*500)		1000	234	161	4.49	187
Lalitpur TPS(3*660)		1980	394	479	13.26	553
Bara(2*660)		1320	554	549	10.22	426
Thermal (Total)		12449	6228	6178	147.77	6157
Vishnuparyag HPS (IPP)(4*110)		440	435	435	10.47	436
Alakanada(4*82.5)		330	252	254	6.62	276
Other Hydro		527	343	340	7.71	321
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	7308	7257	173.77	7240	
Uttarakhand	Other Hydro	1250	869	894	17.19	716
	Total Gas	225	156	159	3.95	165
	Wind Power	0	0	0	0.00	0
	Biomass	100	0	0	0.00	0
	Solar	20	0	0	0.00	0
	Small Hydro (< 25 MW)	150	0	0	0.00	0
	Renewable(Total)	270	0	0	0.00	0
	Total Uttarakhand	1745	1025	1053	21.13	881
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	71	73	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	149	149	3.61	150
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	334	252	6.90	287
	Badarpur TPS (NTPC) (3*95+2*210)	705	365	330	7.40	308
	Thermal (Total)	2917	919	804	19.73	822
	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	919	804	19.73	822	
HP	Baspa HPS (IPP) (3*100)	300	244	274	6.54	273
	Malana HPS (IPP) (2*43)	86	46	43	1.33	55
	Other Hydro	878	256	235	5.42	226
	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)	247	237	237	5.80	242
	Renewable(Total)	0	247	237	5.80	242
Total HP	1264	793	790	19.09	796	

J & K	Baglihar HPS (IPP) (3*150+2*150)	750	732	732	17.42	726
	Other Hydro/IPP	560	181	185	4.38	182
	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)		0	0	0.00	0
	Renewable(Total)	0	0	0	0.00	0
	Total J & K	1500	913	917	21.79	908
	Total State Control Area Generation	49862	23312	22210	541.17	22549
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8620.35	10368.52	214.45	8935	
Total Regional Availability(Gross)		75099	53251	47420	1141.89	47579

IV. Total Hydro Generation:						
Regional Entities Hydro	12234	11695	5781	177.35	7390	
State Control Area Hydro	7228	4636	4587	102.52	4436	
Total Regional Hydro	19462	16330	10368	279.87	11826	

V. Total Renewable Generation:						
Regional Entities Renewable	30	0	0	0.10	4	
State Control Area Renewable	6434	339	546	13.38	558	
Total Regional Renewable	6464	339	546	13.49	562	

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 MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-500	-100	0	500	0.00	4.98	-4.98
765 KV Gwalior-Agra (D/C)	2830	2924	3245	0	58.52	0.00	58.52
400 KV Zerda-Kankroli	150	194	218	23	2.81	0.00	2.81
400 KV Zerda-Bhinmal	225	217	326	0	4.33	0.00	4.33
220 KV Auraiya-Malanpur	5	-26	5	46	0.00	0.45	-0.45
220 KV Badod-Kota/Morak	81	106	139	2	1.83	0.00	1.83
Mundra-Mohindergarh(HVDC Bipole)	2300	2300	2505	0.00	55.04	0.00	55.04
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1187	1180	1218	0	26.62	0.00	26.62
Sub Total WR	6278	6795			149.14	5.43	143.71
Pusauli Bypass/HVDC	400	250	400	0	7.72	0.00	7.72
400 KV MZP- GKP (D/C)	-5	650	691	5	9.33	0.00	9.33
400 KV Patna-Balia(D/C) X 2	444	576	627	0	12.53	0.00	12.53
400 KV B Sharif-Balia (D/C)	4	199	202	0	2.48	0.00	2.48
765 KV Gaya-Balia	244	377	377	0	3.62	0.00	3.62
765 KV Gaya-Varanasi (D/C)	392	665	665	0	12.15	0.00	12.15
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-24	-28	0	36	0.00	0.67	-0.67
132 KV Son Ngr-Rihand	-14	-24	0	40	0.00	0.51	-0.51
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-317	-111	0	318	0.00	4.28	-4.28
400 KV Barh -GKP (D/C)	350	236	396	0	8.05	0.00	8.05
400 kV B Sharif - Varanasi (D/C)	-89	104	122	89	0.84	0.00	0.84
Sub Total ER	1385	2894			56.71	5.46	51.26
+/- 800 KV Biswanath Chariali-Agra	957	680	978	0.00	19.48	0.00	19.48
Sub Total NER	957	680			19.48	0.00	19.48
Total IR Exch	8620	10369			225.34	10.88	214.45

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
46.73	3.65	50.38	21.54	5.61	16.17	2.06	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
88.09	125.03	213.12	70.74	143.71	214.45	-17.35	18.68	1.33

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 MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-24	0	0	27	0	0	-0.38

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	0.13	2.64	17.27	66.44	73.17	8.89	0.72	0.00	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index	(Hz)	(Hz)		
50.13	18.01	49.67	18.53	49.96	0.063	0.071	50.15	49.85	26.83

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	408	6:02	401	23:52	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	7:01	403	18:48	0.0	0.0	2.9	0.0	2.9
Bareilly(PG)400kV	400	418	6:59	400	11:11	0.0	0.0	0.0	0.0	0.0
Kanpur	400	408	17:45	408	17:45	100.0	100.0	0.0	0.0	100.0
Dadri	400	412	7:01	394	11:11	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	419	6:56	397	11:09	0.0	0.0	0.0	0.0	0.0
Bawana	400	417	7:02	396	19:13	0.0	0.0	0.0	0.0	0.0
Bassi	400	416	3:23	391	18:51	0.0	0.0	0.0	0.0	0.0
Hissar	400	411	7:03	390	19:13	0.0	0.0	0.0	0.0	0.0
Moga	400	412	4:02	398	19:13	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	420	6:04	399	19:13	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	422	6:05	404	18:50	0.0	0.0	3.8	0.0	3.8
Kishenpur	400	413	3:52	399	19:16	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	4:02	378	19:24	1.7	24.3	0.0	0.0	1.7
Amritsar	400	418	3:58	401	18:52	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	408	0:00	400	19:08	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	7:01	391	11:12	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	773	7:01	739	18:52	0.0	0.7	0.0	0.0	0.0
Balia	765	790	7:01	756	18:52	0.0	0.0	0.0	0.0	0.0
Moga	765	795	7:00	763	19:12	0.0	0.0	0.0	0.0	0.0
Agra	765	784	6:59	743	18:52	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	791	6:50	759	11:10	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	7:00	744	11:14	0.0	0.0	0.0	0.0	0.0
Lucknow	765	793	7:00	760	18:50	0.0	0.0	0.0	0.0	0.0
Meerut	765	799	7:01	762	11:11	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	791	7:00	754	11:11	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	796	7:01	761	11:11	0.0	0.0	0.0	0.0	0.0
Anta	765	783	3:41	755	18:52	0.0	0.0	0.0	0.0	0.0
Phagi	765	784	3:22	749	18:54	0.0	0.0	0.0	0.0	0.0

Note : '0' in Max / Min Col -> Telemetry Outage

IX. Reservoir Parameters:

Name of Reservoir	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	503.05	1219.07	511.09	1605.30	606.15	671.93
Pong	426.72	384.05	417.45	781.19	421.04	931.43	207.05	430.25
Tehri	829.79	740.04	824.65	1100.54	822.40	1052.96	184.38	233.00
Koteshwar	612.50	598.50	609.13	3.98	610.80	5.00	233.00	205.21
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	157.18	129.03
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	519.97	6.58	511.54	6.14	145.06	277.51

* 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	800	0	0	402	543	0	14.42	10.44	24.87
Delhi	662	-475	0	431	-127	0	14.12	-4.26	9.86
Haryana	1617	87	0	1183	336	0	31.36	0.61	31.97
HP	-691	-98	0	-387	-751	0	-11.71	-7.81	-19.53
J&K	-579	-65	0	-574	-15	0	-14.54	0.84	-13.70
CHD	0	0	0	0	0	0	0.35	0.12	0.48
Rajasthan	-141	568	0	-141	995	0	-3.38	15.66	12.28
UP	622	1181	0	369	0	0	9.24	6.12	15.37
Uttarakhand	-190	95	0	-190	154	0	-4.54	4.09	-0.45
Total	2100	1293	0	1093	1135	0	35.33	25.81	61.14

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	924	282	940	0	0	0
Delhi	766	424	242	-653	0	0
Haryana	1737	782	378	-725	0	0
HP	-387	-691	-97	-751	0	0
J&K	-574	-675	134	-65	0	0
CHD	44	0	49	0	0	0
Rajasthan	-141	-141	1079	557	0	0
UP	696	215	1273	0	0	0
Uttarakhand	-184	-190	495	-64	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	7.64%
ER	0.00%
Simultaneous	4.17%

(ii)%age of times ATC violated on the inter-regional corridors

WR	53.13%
ER	0.00%
Simultaneous	40.28%

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	0.00%
----------------	-------

XII Number of times of Non Compliance of Sign Change in UI in consecutive 12 blocks in the day(1 block = 15 min)

Punjab	9
Haryana	1
Rajasthan	3
Delhi	7
UP	4
Uttarakhand	16
HP	23
J & K	26
Chandigarh	45

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 19.09.2016 :

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 : 19.09.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER