

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 01.10.2016

Date of Reporting : 02.10.2016



I. Regional Availability/Demand:

Evening Peak (19:00 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
44763	2168	46931	50.04	44409	1934	46343	50.10	1054.2	35.84

* 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	87.21	14.24		101.45	76.69	77.69	1.00	179.14	0.00
Haryana	61.53	0.85		62.38	105.20	103.13	-2.07	165.51	0.00
Rajasthan	139.37	1.43	5.70	146.50	58.91	61.01	2.10	207.51	1.22
Delhi	24.04			24.04	81.13	83.45	2.32	107.49	3.25
UP	121.71	22.90		144.61	141.00	144.75	3.75	289.36	22.53
Uttarakhand	16.37	18.96		35.33	17.93	20.18	2.26	39.14	0.00
HP	15.15			15.15	11.34	10.76	-0.57	25.92	0.13
J & K	16.83		0.00	16.83	23.53	18.01	-5.52	34.84	8.71
Chandigarh				0.00	5.22	5.28	0.06	5.28	0.00
Total	433.87	87.78	5.70	529.93	520.93	524.27	3.33	1054.20	35.84

* 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 (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				Maximum Demand Met (MW) and Time(Hrs)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		Shortage (MW)
Punjab	7855	0	8	235	6708	0	26	386	8030	20:00
Haryana	7606	0	201	986	6958	0	49	770	8155	21:00
Rajasthan	8180	0	-42	464	9159	0	16	664	9354	1:00
Delhi	4621	0	142	378	4504	0	204	279	5104	1:00
UP	11511	1745	-58	889	13458	1655	124	1975	13803	5:00
Uttarakhand	1881	0	122	103	1445	0	17	115	1881	19:00
HP	1161	0	-45	-930	881	0	-221	-179	1288	8:00
J&K	1691	423	-233	47	1114	279	-246	-38	1774	20:00
Chandigarh	258	0	-4	-10	183	0	11	0	258	19:00
Total	44763	2168	91	2162	44409	1934	-20	3972	46775	20:00

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

III. Regional Entities :

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	1250	1416	1377	31.07	1295	29.97
	Rihand I STPS (2*500)	1000	550	612	652	13.83	576	13.15
	Rihand II STPS (2*500)	1000	550	586	592	13.53	564	13.15
	Rihand III STPS (2*500)	1000	550	304	293	6.89	287	6.56
	Dadri I STPS (4*210)	840	815	861	827	18.81	784	19.43
	Dadri II STPS (2*490)	980	970	1003	975	22.14	923	23.18
	Unchahar I TPS (2*210)	420	153	173	167	3.64	152	3.67
	Unchahar II TPS (2*210)	420	400	415	419	9.12	380	9.58
	Unchahar III TPS (1*210)	210	200	219	177	4.48	187	4.79
	ISTPP (Jhajhar) (3*500)	1500	1425	306	502	8.89	370	9.02
	Dadri GPS (4*130.19+2*154.51)	830	779	356	358	8.10	337	9.25
	Anta GPS (3*88.71+1*153.2)	419	396	247	248	5.79	241	5.78
	Auraiya GPS (4*111.19+2*109.30)	663	623	0	0	0.00	0	0.00
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04
	Singrauli Solar(15)	15	2	0	0	0.06	2	0.04
	KHEP(4*200)	800	858	859	0	7.56	315	7.00
	Sub Total (A)	12112	9248	7357	6587	154	6415	155
B. NPC	NAPS (2*220)	440	190	206	214	4.53	189	4.56
	RAPS- B (2*220)	440	372	410	417	8.87	369	8.93
	RAPS- C (2*220)	440	0	0	0	0.00	0	0.00
	Sub Total (B)	1320	562	616	631	13.39	558	13.49
								-0.09
C. NHPC	Chamera I HPS (3*180)	540	540	552	0	3.71	154	3.50
	Chamera II HPS (3*100)	300	301	312	101	4.07	170	3.95
	Chamera III HPS (3*77)	231	221	234	78	2.70	112	2.58
	Bairasuli HPS(3*60)	180	179	181	62	1.32	55	1.24
	Salal-HPS (6*115)	690	487	564	453	12.50	521	11.68
	Tanakpur-HPS (3*31.4)	94	76	76	70	1.90	79	1.83
	Uri-I HPS (4*120)	480	163	315	162	4.27	178	3.92
	Uri-II HPS (4*60)	240	95	121	85	2.41	100	2.27
	Dhauliganga-HPS (4*70)	280	280	287	72	3.27	136	3.15
	Dulhasti-HPS (3*130)	390	383	395	392	9.28	387	9.18
	Sewa-II HPS (3*40)	120	119	129	0	0.48	20	0.45
	Parbati 3 (4*130)	520	520	388	0	1.74	72	1.66
	Sub Total (C)	4065	3363	3554	1474	48	1985	45
								2.24
D. SJVNL	NJPC (6*250)	1500	1605	1621	997	24.86	1036	24.33
	Rampur HEP (6*68.67)	412	442	444	291	7.10	296	6.79
	Sub Total (D)	1912	2047	2065	1288	31.96	1332	31.12
E. THDC	Tehri HPS (4*250)	1000	1071	1070	270	7.53	314	7.20
	Koteshwar HPS (4*100)	400	100	300	71	2.43	101	2.40
	Sub Total (E)	1400	1171	1370	341	9.97	415	9.60
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	858	1238	668	21.01	875	20.59
	Dehar HPS (6*165)	990	475	660	330	11.61	484	11.40
	Pong HPS (6*66)	396	173	330	132	4.28	178	4.16
	Sub Total (F)	2765	1506	2228	1130	36.90	1537	36.15
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	97	80	1.66	69	1.46
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1055	0	13.95	581	13.77
	Malana Stg-II HPS (2*50)	100	0	60	51	1.46	61	1.46
	Shree Cement TPS (2*150)	300	0	146	285	4.69	196	6.26
	Budhil HPS(IPP) (2*35)	70	0	35	35	0.81	34	0.71
	Sub Total (G)	1662	0	1393	450	22.57	941	23.67
H. Total Regional Entities (A-G)		25237	17897	18584	11901	316.40	13183	314.06
								2.34

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	840	840	17.99	750
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	240	187	4.68	195
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	462	407	9.50	396
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	1320	1320	31.49	1312
	Talwandi Saboo (3*660)	1980	1228	616	23.58	983
	Thermal (Total)	6560	4090	3370	87.21	3634
	Total Hydro	1000	538	630	14.24	594
	Wind Power	0	0	0	0.00	0
	Biomass	73	0	0	0.00	0
	Solar	494	0	0	0.00	0
	Renewable(Total)	567	0	0	0.00	0
	Total Punjab	8127	4628	4000	101.45	4227
Haryana	Panipat TPS (2*210+2*250)	920	743	754	16.62	692
	DCRTPP (Yamuna nagar) (2*300)	600	470	464	11.88	495
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	176	167	3.97	165
	RGTPP (khedar) (IPP) (2*600)	1200	770	761	20.55	856
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	379	377	8.52	355
	Thermal (Total)	4497	2538	2523	61.53	2564
	Total Hydro	62	29	39	0.85	35
	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	2567	2562	62.38	2599
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1076	933	22.71	946
	suratgarh TPS (6*250)	1500	1006	1123	25.03	1043
	Chabra TPS (4*250)	1000	865	706	18.88	787
	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	142	3.51	146
	RAPS A (NPC) (1*100+1*200)	300	166	167	4.18	174
	Barsingar (NLC) (2*125)	250	114	112	2.59	108
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	889	933	21.70	904
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	503	556	12.17	507
	Kawai(Adani) (2*660)	1320	1218	1227	28.62	1192
	Thermal (Total)	8876	5978	5899	139.37	5807
	Total Hydro	550	81	69	1.43	60
	Wind power	4017	25	642	4.89	204
	Biomass	99	21	21	0.50	21
	Solar	1295	1	0	0.31	13
	Renewable/Others (Total)	5411	47	663	5.70	237
	Total Rajasthan	14837	6106	6631	146.50	6104
UP	Anpara TPS (3*210+2*500)	1630	473	493	10.50	438
	Obra TPS (2*50+2*94+5*200)	1194	183	254	5.30	221
	Paricha TPS (2*110+2*220+2*250)	1160	923	906	21.50	896
	Panki TPS (2*105)	210	104	153	3.20	133
	Harduaganj TPS (1*60+1*105+2*250)	665	539	536	12.60	525
	Tanda TPS (NTPC) (4*110)	440	381	375	8.71	363
	Roza TPS (IPP) (4*300)	1200	1107	1117	26.40	1100
	Anpara-C (IPP) (2*600)	1200	640	792	17.90	746
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	405	9.60	400
	Anpara-D(2*500)	1000	640	230	4.80	200
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	12449	5395	5261	120.51	5021
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.30	429
	Alaknada(4*82.5)	330	246	163	5.10	213
	Other Hydro	527	347	313	7.50	313
	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	6473	6222	144.61	6026
Uttarakhand	Other Hydro	1250	813	665	16.37	682
	Total Gas	225	91	161	2.59	108
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.00	0
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.00	0
	Total Uttarakhand	1802	904	826	18.96	790
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	72	70	1.82	76
	Pragati Gas Turbine (2x104+ 1x122)	330	150	150	3.42	143
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	502	505	12.56	523
	Badarpur TPS (NTPC) (3*95+2*210)	705	330	330	6.25	260
	Thermal (Total)	2917	1054	1055	24.04	1002
	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	1054	1055	24.04	1002

HP	Baspa HPS (IPP) (3*100)	300	251	241	5.63	235
	Malana HPS (IPP) (2*43)	86	88	87	1.40	58
	Other Hydro	372	166	148	3.79	158
	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	184	177	4.34	181
	Renewable(Total)	486	184	177	4.34	181
	Total HP	1244	689	653	15.15	631
J & K	Baglihar HPS (IPP) (3*150+3*150)	900	586	586	14.06	586
	Other Hydro/IPP(including 98 MW Small Hydro)	308	138	93	2.77	115
	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	724	679	17	701
Total State Control Area Generation		49797	23145	22628	529.93	22081
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			8078	10303	231.58	9649
Total Regional Availability(Gross)		75034	49806	44832	1077.91	44913

IV. Total Hydro Generation:						
Regional Entities Hydro		12234	11288	4364	151.10	6296
State Control Area Hydro		7163	3993	3807	87.78	3765
Total Regional Hydro		19397	15282	8170	238.88	10061

V. Total Renewable Generation:						
Regional Entities Renewable		30	0	0	0.12	5
State Control Area Renewable		7075	231	840	10.04	418
Total Regional Renewable		7105	231	840	10.16	423

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]							
Element	Peak(19:00 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	250	500	0	8.01	0.00	8.01
765 KV Gwalior-Agra (D/C)	1939	2765	2911	0	58.42	0.00	58.42
400 KV Zerda-Kankroli	97	150	150	18	2.29	0.00	2.29
400 KV Zerda-Bhinmal	91	142	231	25	2.87	0.00	2.87
220 KV Auraiya-Malanpur	-44	-18	0	154	0.00	0.52	-0.52
220 KV Badod-Kota/Morak	27	99	144	15	1.87	0.00	1.87
Mundra-Mohindergarh(HVDC Bipole)	2102	2098	2105	0.00	50.80	0.00	50.80
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	782	1172	1247	0	26.75	0.00	26.75
Sub Total WR	5494	6658			151.00	0.52	150.48
Pusauli Bypass/HVDC	-100	-70	0	123	0.00	1.72	-1.72
400 KV MZP- GKP (D/C)	154	509	725	0	10.96	0.00	10.96
400 KV Patna-Balia(D/C) X 2	465	575	665	0	14.02	0.00	14.02
400 KV B'Sharif-Balia (D/C)	171	202	298	0	5.75	0.00	5.75
765 KV Gaya-Balia	332	382	488	0	4.87	0.00	4.87
765 KV Gaya-Varanasi (D/C)	538	748	878	0	17.17	0.00	17.17
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	-28	-26	0	34	0.00	0.59	-0.59
132 KV Son Ngr-Rihand	-35	-23	0	38	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	22	69	180	0	2.33	0.00	2.33
400 KV Barh -GKP (D/C)	310	436	446	0	8.82	0.00	8.82
400 kV B'Sharif - Varanasi (D/C)	72	172	273	0	4.28	0.00	4.28
Sub Total ER	1901	2974			68.19	2.92	65.27
+/- 800 KV BiswanathChariali-Agra	683	671	685	0.00	15.83	0.00	15.83
Sub Total NER	683	671			15.83	0.00	15.83
Total IR Exch	8078	10303			235.02	3.44	231.58

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
54.64	3.73	58.37	18.12	10.85	6.84	31.41	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
83.34	139.37	222.71	81.10	150.48	231.58	-2.24	11.10	8.87

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]							
Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-32	-26	0	32	0	1	-0.56

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	0.10	4.84	55.47	78.77	13.66	3.26	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)	
50.17	17.04	49.79	18.23	49.99	0.036	0.059	50.19	49.97	21.23

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	411	7:50	404	19:14	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	17:08	403	0:14	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	17:07	395	12:25	0.0	0.0	0.0	0.0	0.0
Kanpur	400	413	7:46	401	18:43	0.0	0.0	0.0	0.0	0.0
Dadri	400	413	6:05	397	14:43	0.0	0.0	0.0	0.0	0.0
Ballabgarh	400	417	8:01	398	18:40	0.0	0.0	0.0	0.0	0.0
Bawana	400	415	6:06	399	18:41	0.0	0.0	0.0	0.0	0.0
Bassi	400	417	17:03	396	18:43	0.0	0.0	0.0	0.0	0.0
Hissar	400	410	17:01	395	18:41	0.0	0.0	0.0	0.0	0.0
Moga	400	412	2:53	399	18:45	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	420	6:04	403	18:41	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	423	6:14	407	18:41	0.0	0.0	8.0	0.0	8.0
Kishenpur	400	417	3:00	397	19:19	0.0	0.0	0.0	0.0	0.0
Wagoora	400	411	2:24	367	19:19	8.7	46.2	0.0	0.0	8.7
Amritsar	400	422	3:53	405	11:39	0.0	0.0	2.0	0.0	2.0
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	418	3:01	401	18:43	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	411	6:08	387	14:36	0.0	3.3	0.0	0.0	0.0

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	778	17:07	747	12:25	0.0	0.0	0.0	0.0	0.0
Balia	765	786	17:08	759	12:25	0.0	0.0	0.0	0.0	0.0
Moga	765	790	17:03	762	12:21	0.0	0.0	0.0	0.0	0.0
Agra	765	792	17:05	756	12:25	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	794	17:03	762	12:26	0.0	0.0	0.0	0.0	0.0
Unnao	765	770	17:17	744	12:23	0.0	0.0	0.0	0.0	0.0
Lucknow	765	788	17:21	756	12:25	0.0	0.0	0.0	0.0	0.0
Meerut	765	799	17:04	761	12:21	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	796	17:07	763	12:22	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	782	17:17	748	12:24	0.0	0.0	0.0	0.0	0.0
Anta	765	785	17:04	763	12:06	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	17:06	759	12:27	6.1	6.1	0.0	0.0	6.1

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 (m³/s)	Usage (m³/s)
Bhakra	513.59	445.62	502.65	1205.87	511.63	1635.65	485.22	647.41
Pong	426.72	384.05	416.41	730.66	421.08	931.43	100.81	257.06
Tehri	829.79	740.04	824.70	1101.60	822.65	1058.25	173.44	163.00
Koteshwar	612.50	598.50	609.09	4.10	610.16	4.69	163.00	160.21
Chamera-I	760.00	748.75	756.46	0.00	0.00	0.00	121.84	0.00
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	517.73	5.11	513.92	4.29	107.76	240.66

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	386	0	0	436	-201	0	10.76	-1.11	9.65
Delhi	93	186	0	91	287	0	3.38	7.18	10.56
Haryana	557	213	0	794	192	0	15.74	4.96	20.71
HP	-55	-124	0	-216	-714	0	-2.93	-6.85	-9.77
J&K	-38	0	0	-38	85	0	-0.91	0.71	-0.20
CHD	0	0	0	0	-10	0	0.00	0.75	0.75
Rajasthan	0	664	0	0	464	0	0.00	13.90	13.90
UP	288	1687	0	265	624	0	5.98	23.86	29.84
Uttarakhand	-78	193	0	0	103	0	-1.40	7.09	5.69
Total	1153	2819	0	1333	829	0	30.63	50.49	81.12

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	535	386	4	-302	0	0
Delhi	251	91	616	6	0	0
Haryana	794	489	259	52	0	0
HP	-55	-260	66	-864	0	0
J&K	-38	-38	134	-15	0	0
CHD	0	0	89	-20	0	0
Rajasthan	0	0	1124	457	0	0
UP	303	187	1883	-78	0	0
Uttarakhand	0	-78	578	66	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	0.35%
ER	0.00%
Simultaneous	0.69%

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

WR	19.44%
ER	0.00%
Simultaneous	26.04%

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

Rihand - Dadri	0.00%
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XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	2	18
Haryana	3	19
Rajasthan	2	19
Delhi	4	28
UP	1	21
Uttarakhand	6	36
HP	5	27
J & K	3	24
Chandigarh	6	36

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.10.2016 :
Normal

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 : 01.10.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER