

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 26.10.2016

Date of Reporting : 27.10.2016



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
43384	1013	44397	50.10	33716	327	34042	0.00	885.0	12.48

* 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	45.78	11.62	0.73	58.13	56.68	57.33	0.65	115.45	0.00
Haryana	31.23	0.70	0.00	31.94	91.59	91.49	-0.10	123.43	0.00
Rajasthan	123.02	4.67	11.37	139.06	59.93	61.27	1.33	200.33	3.59
Delhi	15.14		0.00	15.14	60.19	60.77	0.58	75.91	0.01
UP	160.06	15.90	0.00	175.96	95.69	96.18	0.49	272.13	0.00
Uttarakhand		10.36	0.00	12.63	19.84	21.59	1.76	34.22	0.00
HP		5.71	2.50	8.21	15.10	16.22	1.12	24.43	0.00
J & K		8.77	0.00	8.77	31.66	26.73	-4.93	35.50	8.88
Chandigarh				0.00	3.67	3.58	-0.09	3.58	0.00
Total	375.23	57.73	14.59	449.82	434.34	435.16	0.82	884.98	12.48

* 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)	Shortage (MW)	
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	5357	0	-57	-913	4048	0	260	-92	5357	19:00	0
Haryana	6754	0	-117	526	3959	0	71	-183	6754	19:00	0
Rajasthan	8900	0	54	459	8175	0	50	467	9166	7:00	187
Delhi	3897	0	-12	-87	2532	0	112	-404	3897	19:00	0
UP	13508	570	51	-9	11622	0	-385	155	13508	19:00	570
Uttarakhand	1784	0	135	249	1204	0	107	243	1784	19:00	0
HP	1219	0	87	-190	766	0	103	132	1330	8:00	0
J&K	1773	443	-283	450	1307	327	-160	216	1773	19:00	443
Chandigarh	192	0	-13	-10	103	0	20	0	192	19:00	0
Total	43384	1013	-154	474	33716	327	177	536	43384	19:00	1013

* 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	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	1798	1997	1815	43.47	1811	42.92	0.55
Rihand I STPS (2*500)	1000	923	1000	987	21.98	916	22.06	-0.08
Rihand II STPS (2*500)	1000	943	1000	994	22.92	955	22.36	0.56
Rihand III STPS (2*500)	1000	472	505	510	11.50	479	11.08	0.41
Dadri I STPS (4*210)	840	815	347	322	7.38	307	7.70	-0.32
Dadri II STPS (2*490)	980	980	814	702	17.37	724	18.45	-1.08
Unchahar I TPS (2*210)	420	355	380	324	7.19	300	7.22	-0.03
Unchahar II TPS (2*210)	420	402	429	319	7.63	318	7.81	-0.18
Unchahar III TPS (1*210)	210	201	219	188	4.10	171	4.20	-0.09
ISTPP (Jhajjar) (3*500)	1500	1425	303	307	7.26	303	7.41	-0.15
Dadri GPS (4*130.19+2*154.51)	830	785	289	411	8.35	348	8.62	-0.27
Anta GPS (3*88.71+1*153.2)	419	388	0	0	0.00	0	0.00	0.00
Auraiya GPS (4*111.19+2*109.30)	663	624	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	0.05	2	0.04	0.00
Singrauli Solar(15)	15	2	0	0	0.01	0	0.05	-0.04
KHEP(4*200)	800	858	859	0	4.46	186	4.00	0.46
Sub Total (A)	12112	10972	8142	6879	164	6820	164	-0.27
B. NPC								
NAPS (2*220)	440	340	403	338	7.95	331	7.34	0.61
RAPS- B (2*220)	440	382	426	429	9.23	385	9.17	0.07
RAPS- C (2*220)	440	0	0	0	0.00	0	0.00	0.00
Sub Total (B)	1320	722	829	767	17.19	716	16.51	0.67
C. NHPC								
Chamera I HPS (3*180)	540	540	553	0	2.29	95	2.00	0.29
Chamera II HPS (3*100)	300	301	309	0	2.27	95	2.03	0.25
Chamera III HPS (3*77)	231	231	227	0	1.27	53	1.10	0.17
Bairasuli HPS(3*60)	180	179	120	0	0.80	33	0.75	0.05
Salal-HPS (6*115)	690	180	301	225	5.06	211	4.32	0.74
Tanakpur-HPS (3*31.4)	94	46	61	54	1.34	56	1.11	0.23
Uri-I HPS (4*120)	480	80	230	25	2.33	97	1.93	0.40
Uri-II HPS (4*60)	240	56	37	77	1.43	60	1.35	0.08
Dhauliganga-HPS (4*70)	280	280	280	0	1.91	80	1.76	0.15
Dulhasti-HPS (3*130)	390	383	392	136	5.71	238	5.50	0.21
Sewa-II HPS (3*40)	120	119	116	0	0.35	15	0.36	-0.01
Parbati 3 (4*130)	520	303	314	0	0.95	40	0.91	0.04
Sub Total (C)	4065	2698	2940	517	26	1071	23	2.60
D.SJVNL								
NJPC (6*250)	1500	1605	1585	0	11.58	482	11.50	0.08
Rampur HEP (6*68.67)	412	442	448	0	3.36	140	3.21	0.14
Sub Total (D)	1912	2047	2033	0	14.93	622	14.71	0.22
E. THDC								
Tehri HPS (4*250)	1000	1071	1073	0	7.27	303	7.00	0.27
Koteshwar HPS (4*100)	400	91	100	91	2.22	92	2.19	0.03
Sub Total (E)	1400	1163	1173	91	9.49	395	9.19	0.30
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	625	1023	479	15.21	634	15.01	0.20
Dehar HPS (6*165)	990	233	495	165	5.80	242	5.60	0.21
Pong HPS (6*66)	396	74	132	66	1.86	77	1.78	0.08
Sub Total (F)	2765	933	1650	710	22.87	953	22.38	0.48
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	103	0	0.84	35	0.84	0.00
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	825	0	6.51	271	6.40	0.11
Malana Stg-II HPS (2*50)	100	0	0	25	0.57	24	0.54	0.03
Shree Cement TPS (2*150)	300	0	0	0	0.00	0	0.00	0.00
Budhil HPS(IPP) (2*35)	70	0	25	10	0.35	15	0.35	0.00
Sub Total (G)	1662	0	953	35	8.27	344	8.13	0.14
H. Total Regional Entities (A-G)	25237	18534	17719	8998	262.12	10922	257.98	4.14

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	160	0	2.31	96	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	240	0	2.69	112	
	Goindwal(GVK) (2*270)	540	0	0	-0.02	-1	
	Rajpura (2*700)	1400	1320	920	29.03	1210	
	Talwandi Saboo (3*660)	1980	614	308	11.80	492	
	Thermal (Total)	6560	2334	1228	45.78	1908	
	Total Hydro	1000	354	548	11.62	484	
	Wind Power	0	0	0	0.00	0	
	Biomass	288	20	20	0.48	20	
	Solar	560	0	0	0.25	10	
	Renewable(Total)	848	20	20	0.73	30	
	Total Punjab	8408	2708	1796	58.13	2422	
	Haryana	Panipat TPS (2*210+2*250)	920	204	199	4.92	205
		DCRTPP (Yamuna nagar) (2*300)	600	276	456	6.61	275
Faridabad GPS (NTPC)(2*137.75+1*1156)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	1093	739	19.71	821	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	0	0	0.00	0	
Thermal (Total)		4497	1573	1394	31.23	1301	
Total Hydro		62	17	19	0.70	29	
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	1590	1413	31.94	1331	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1134	1146	26.91	1121
		suratgarh TPS (6*250)	1500	1093	964	24.27	1011
	Chabra TPS (4*250)	1000	909	915	21.84	910	
	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	149	104	3.70	154	
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0	
	Barsingsar (NLC) (2*125)	250	227	227	5.26	219	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	588	587	13.95	581	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	551	538	12.45	519	
	Kawai(Adani) (2*660)	1320	614	609	14.65	610	
	Thermal (Total)	8876	5265	5090	123.02	5126	
	Total Hydro	550	185	189	4.67	194	
	Wind power	4017	255	468	8.20	342	
	Biomass	99	14	14	0.34	14	
	Solar	1295	0	0	2.83	118	
	Renewable/Others (Total)	5411	269	482	11.37	474	
	Total Rajasthan	14837	5719	5761	139.06	5794	
	UP	Anpara TPS (3*210+2*500)	1630	1218	1212	29.10	1213
Obra TPS (2*50+2*94+5*200)		1194	292	311	7.20	300	
Paricha TPS (2*110+2*220+2*250)		1160	878	873	17.00	708	
Panki TPS (2*105)		210	153	143	3.30	138	
Harduaganj TPS (1*60+1*105+2*250)		665	354	421	8.60	358	
Tanda TPS (NTPC) (4*110)		440	367	364	7.66	319	
Roza TPS (IPP) (4*300)		1200	1008	833	18.60	775	
Anpara-C (IPP) (2*600)		1200	1080	990	25.20	1050	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	320	386	7.20	300	
Anpara-D(2*500)		1000	460	453	10.80	450	
Lalitpur TPS(3*660)		1980	589	590	11.80	492	
Bara(2*660)		1320	553	543	11.20	467	
Thermal (Total)		12449	7272	7119	157.66	6569	
Vishnuparyag HPS (IPP)(4*110)		440	182	187	7.20	300	
Alaknada(4*82.5)		330	163	163	3.30	138	
Other Hydro		527	245	212	5.40	225	
Cogeneration		981	100	100	2.40	100	
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	7962	7781	175.96	7332	
Uttarakhand		Other Hydro	1250	582	324	10.36	432
	Total Gas	225	92	97	2.23	93	
	Wind Power	0	0	0	0.00	0	
	Biomass	127	0	0	0.00	0	
	Solar	20	0	0	0.05	2	
	Small Hydro (< 25 MW)	180	0	0	0.00	0	
	Renewable(Total)	327	0	0	0.05	2	
	Total Uttarakhand	1802	674	421	12.63	526	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	76	78	1.83	76	
	Pragati Gas Turbine (2x104+ 1x122)	330	152	155	3.72	155	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	251	6.02	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	169	165	3.57	149	
	Thermal (Total)	2917	647	650	15.14	631	
	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	647	650	15.14	631		

HP	Baspa HPS (IPP) (3*100)	300	39	58	2.08	87
	Malana HPS (IPP) (2*43)	86	44	0	0.57	24
	Other Hydro	372	171	89	3.06	127
	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	111	101	2.50	104
	Renewable(Total)	486	111	101	2.50	104
	Total HP	1244	365	248	8.21	342
	J & K	Baglihar HPS (IPP) (3*150+3*150)	900	250	250	6.00
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	388	343	9	365
Total State Control Area Generation		50078	20052	18413	449.82	18743
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7058	7452	194.15	8090	
Total Regional Availability(Gross)	75315	44829	34863	906.10	37754	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9582	1343	85.38	3557
State Control Area Hydro	7163	2573	2330	60.23	2604
Total Regional Hydro	19397	12155	3673	145.60	6161

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	400	603	14.64	610
Total Regional Renewable	7386	400	603	14.70	613

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	
Vindhychall(HVDC B/B)	-50	-250	250	50	0.00	1.88	-1.88
765 KV Gwalior-Agra (D/C)	1913	2325	3000	0	46.97	0.00	46.97
400 KV Zerda-Kankroli	22	56	75	105	0.00	0.03	-0.03
400 KV Zerda-Bhinmal	187	-30	265	55	2.08	0.00	2.08
220 KV Auraiya-Malanpur	-50	-52	0	70	0.00	1.01	-1.01
220 KV Badod-Kota/Morak	25	19	70	52	0.29	0.00	0.29
Mundra-Mohindergerh(HVDC Bipole)	2302	1598	2505	0.00	54.33	0.00	54.33
400 KV Vindhychal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	981	1308	753	0	31.46	0.00	31.46
Sub Total WR	5330	4974			135.13	2.91	132.21
Pusauli Bypass/HVDC	-12	55	76	65	0.00	0.34	-0.34
400 KV MZP- GKP (D/C)	88	353	493	0	7.61	0.00	7.61
400 KV Patna-Balia(D/C) X 2	469	584	694	0	14.08	0.00	14.08
400 KV B Sharif-Balia (D/C)	-17	142	230	77	2.97	0.00	2.97
765 KV Gaya-Balia	181	277	285	0	5.63	0.00	5.63
765 KV Gaya-Varanasi (D/C)	266	396	537	0	12.29	0.00	12.29
220 KV Pusauli-Sahupuri	157	196	218	0	4.50	0.00	4.50
132 KV K'nasa-Sahupuri	-30	-32	0	42	0.00	0.63	-0.63
132 KV Son Ngr-Rihand	-36	-35	0	42	0.00	0.87	-0.87
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-179	-85	97	179	0.00	0.99	-0.99
400 KV Barh -GKP (D/C)	424	402	474	0	9.56	0.00	9.56
400 kV B Sharif - Varanasi (D/C)	17	25	210	0	1.73	0.00	1.73
Sub Total ER	1328	2278			58.37	2.83	55.54
+/- 800 KV BiswanathChariali-Agra	400	200	400	0.00	6.40	0.00	6.40
Sub Total NER	400	200			6.40	0.00	6.40
Total IR Exch	7058	7452			199.90	5.74	194.15

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
49.50	3.10	52.59	5.91	0.19	1.50	2.40	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
60.01	130.35	190.35	61.94	132.21	194.15	1.93	1.87	3.80

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	0	0	0	23	0	0	-0.15

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	0.45	14.70	68.82	74.32	8.66	2.31	0.06	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)		
50.22	18.01	49.78	16.29	49.97	0.055	0.066	0.00	0.00	25.68

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	410	0:00	402	15:46	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	417	6:04	399	14:37	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	404	0:00	404	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	3:00	401	12:16	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	2:54	398	14:41	0.0	0.0	1.2	0.0	1.2
Ballabgarh	400	429	2:56	402	11:38	0.0	0.0	42.6	0.0	42.6
Bawana	400	423	1:08	400	11:37	0.0	0.0	19.7	0.0	19.7
Bassi	400	423	4:03	400	11:23	0.0	0.0	0.9	0.0	0.9
Hissar	400	420	2:58	397	14:41	0.0	0.0	0.0	0.0	0.0
Moga	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	1:28	404	18:28	0.0	0.0	33.9	0.0	33.9
Nalagarh	400	429	3:05	408	11:43	0.0	0.0	37.0	0.0	37.0
Kishenpur	400	424	2:59	392	18:17	0.0	0.0	8.7	0.0	8.7
Wagoora	400	413	3:00	365	18:17	5.4	39.4	0.0	0.0	5.4
Amritsar	400	428	2:56	405	11:26	0.0	0.0	34.4	0.0	34.4
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	413	4:03	386	14:41	0.0	3.4	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	779	2:59	746	18:25	0.0	0.0	0.0	0.0	0.0
Balia	765	784	6:02	758	18:11	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	792	2:59	753	14:41	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	3:00	767	14:36	0.0	0.0	12.4	0.0	12.4
Unnao	765	765	6:04	736	15:43	0.0	12.8	0.0	0.0	0.0
Lucknow	765	786	6:03	754	14:37	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	2:58	754	11:39	0.0	0.0	8.3	0.0	8.3
Jhatikara	765	803	2:58	764	14:41	0.0	0.0	3.9	0.0	3.9
Bareilly 765 kV	765	784	6:04	749	11:37	0.0	0.0	0.0	0.0	0.0
Anta	765	795	21:44	766	14:33	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	2:49	766	11:52	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	499.21	1064.89	509.63	1530.03	248.06	467.11
Pong	426.72	384.05	415.12	680.86	418.95	834.82	60.43	112.50
Tehri	829.79	740.04	823.65	1079.39	818.50	972.26	88.58	157.00
Koteswar	612.50	598.50	609.83	4.50	610.81	4.95	157.00	146.15
Chamera-I	760.00	748.75	759.98	0.00	0.00	0.00	73.45	62.01
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	514.23	5.84	512.03	4.35	51.11	211.62

* 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	-92	0	0	-92	-821	0	-2.21	-3.76	-5.97
Delhi	5	-409	0	-95	8	0	-0.38	-2.91	-3.29
Haryana	-44	-138	0	160	365	0	1.85	-0.44	1.41
HP	83	49	0	-6	-184	0	3.17	-2.59	0.58
J&K	167	50	0	167	284	0	5.79	2.30	8.09
CHD	0	0	0	0	0	-10	0.00	-0.07	-0.07
Rajasthan	-5	472	0	-7	466	0	-0.13	11.76	11.64
UP	155	0	0	91	-100	0	-3.37	-1.94	-5.30
Uttarakhand	12	230	0	25	224	0	1.13	5.83	6.96
Total	282	254	0	242	242	-10	5.85	8.19	14.05

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-92	-101	0	-836	0	0
Delhi	5	-95	119	-563	0	0
Haryana	249	-65	400	-675	0	0
HP	251	-82	278	-658	0	0
J&K	316	167	284	0	0	0
CHD	0	0	0	0	11	-35
Rajasthan	-5	-7	866	0	0	0
UP	207	-497	0	-100	0	0
Uttarakhand	123	12	429	52	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	30.56%
ER	0.00%
Simultaneous	1.04%

(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	1	23
Haryana	2	19
Rajasthan	0	9
Delhi	2	25
UP	2	14
Uttarakhand	1	15
HP	4	18
J & K	3	25
Chandigarh	6	61

XIII. System Constraints:**XIV. Grid Disturbance / Any Other Significant Event:****XV. Weather Conditions For 26.10.2016 :**
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.