

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 01.01.2017

Date of Reporting : 02.01.2017



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
40444	560	41004	50.05	28495	445	28941	50.06	836.76	14.20

* 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	48.30	8.21	1.22	57.74	33.76	33.40	-0.36	91.13	0.00
Haryana	33.58	0.26	0.00	33.84	71.71	71.60	-0.10	105.44	0.00
Rajasthan	113.12	3.46	11.24	127.81	70.07	71.91	1.84	199.72	0.00
Delhi	11.95		0.00	11.95	44.04	44.39	0.35	56.34	0.01
UP	177.93	7.34	0.00	185.27	97.02	97.07	0.05	282.34	2.52
Uttarakhand		9.23	0.00	16.09	14.45	13.63	-0.82	29.72	0.00
HP		3.94	0.17	3.94	19.58	18.37	-1.20	22.31	0.01
J & K		4.38	0.00	4.38	38.45	42.30	3.86	46.68	11.67
Chandigarh				0.00	3.29	3.07	-0.22	3.07	0.00
Total	384.88	36.82	12.63	441.02	392.34	395.75	3.40	836.76	14.20

* 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	4623	0	-7	-618	2688	0	-97	-543	4900	8:00
Haryana	5763	0	15	-310	2950	0	94	-612	5763	19:00
Rajasthan	9206	0	-87	239	7495	0	0	267	9206	19:00
Delhi	2616	0	1	-165	1429	0	33	-412	3482	12:00
UP	13251	0	68	-294	10335	0	134	76	13251	19:00
Uttarakhand	1512	0	61	124	1011	0	-167	236	1684	8:00
HP	1075	0	-117	345	719	0	-54	571	1250	9:00
J&K	2242	560	353	857	1782	445	106	851	2242	19:00
Chandigarh	157	0	2	-10	87	0	-17	0	188	9:00
Total	40444	560	289	169	28495	445	32	434	40444	19:00

* 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	1875	2017	1607	41.83	1743	41.39
	Rihand I STPS (2*500)	1000	843	871	677	17.49	729	17.43
	Rihand II STPS (2*500)	1000	950	982	729	20.19	841	19.93
	Rihand III STPS (2*500)	1000	960	1028	719	20.35	848	20.28
	Dadri I STPS (4*210)	840	815	183	142	4.24	177	4.38
	Dadri II STPS (2*490)	980	980	393	330	8.82	368	9.48
	Unchahar I TPS (2*210)	420	406	306	297	7.21	300	7.91
	Unchahar II TPS (2*210)	420	405	284	278	6.87	286	7.51
	Unchahar III TPS (1*210)	210	203	138	153	3.47	145	3.79
	ISTPP (Jhajjar) (3*500)	1500	1440	610	594	14.11	588	13.98
	Dadri GPS (4*130.19+2*154.51)	830	799	292	241	6.20	258	6.74
	Anta GPS (3*88.71+1*153.2)	419	417	0	0	0.00	0	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	637	0	0	0.00	0	0.00
	Dadri Solar(5)	5	1	0	0	0.01	1	0.01
	Unchahar Solar(10)	10	1	0	0	0.00	0	0.01
	Singrauli Solar(15)	15	1	0	0	0.03	1	0.03
	KHEP(4*200)	800	870	435	0	2.59	108	2.61
	Sub Total (A)	12112	11600	7539	5767	153	6392	155
B. NPC	NAPS (2*220)	440	420	453	461	9.99	416	10.08
	RAPS- B (2*220)	440	384	425	429	9.25	385	9.22
	RAPS- C (2*220)	440	220	238	239	5.07	211	5.28
	Sub Total (B)	1320	1024	1116	1129	24.31	1013	24.58
								-0.27
C. NHPC	Chamera I HPS (3*180)	540	332	369	0	1.52	63	1.40
	Chamera II HPS (3*100)	300	201	210	0	1.13	47	1.00
	Chamera III HPS (3*77)	231	175	97	0	0.54	22	0.53
	Bairasuil HPS(3*60)	180	120	0	0	0.00	0	0.40
	Salal-HPS (6*115)	690	104	230	120	2.91	121	2.49
	Tanakpur-HPS (3*31.4)	94	22	31	21	0.63	26	0.51
	Uri-I HPS (4*120)	480	59	234	22	1.51	63	1.39
	Uri-II HPS (4*60)	240	48	119	38	1.14	48	1.14
	Dhauliganga-HPS (4*70)	280	280	273	0	0.94	39	0.88
	Dulhasti-HPS (3*130)	390	386	395	0	2.12	88	2.00
	Sewa-II HPS (3*40)	120	79	25	0	0.19	8	0.21
	Parbati 3 (4*130)	520	130	131	0	0.40	16	0.39
	Sub Total (C)	4065	1935	2113	201	13	542	12
								0.69
	NJPC (6*250)	1500	1615	1601	0	6.75	281	6.60
	Rampur HEP (6*68.67)	412	375	373	0	1.86	78	1.79
	Sub Total (D)	1912	1990	1974	0	8.62	359	8.39
								0.23
E. THDC	Tehri HPS (4*250)	1000	1020	502	0	6.83	285	6.74
	Koteshwar HPS (4*100)	400	128	397	71	2.61	109	2.59
	Sub Total (E)	1400	1148	899	71	9.45	394	9.33
								0.12
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	578	929	384	14.38	599	13.88
	Dehar HPS (6*165)	990	87	330	0	2.16	90	2.10
	Pong HPS (6*66)	396	193	396	0	4.59	191	4.62
	Sub Total (F)	2765	858	1655	384	21.13	881	20.59
								0.54
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.40	17	0.39
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.56	148	3.56
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00
	Shree Cement TPS (2*150)	300	0	-2	19	0.10	4	0.95
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.17	7	0.19
	Sub Total (G)	1662	0	628	19	4.23	176	5.09
								-0.86
H. Total Regional Entities (A-G)		25237	18555	15925	7571	234.17	9757	235.78
								-1.61

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sento ut MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	160	160	3.62	151
	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	202	202	4.60	191
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	660	660	22.98	957
	Talwandi Saboo (3*660)	1980	616	616	17.16	715
	Thermal (Total)	6560	1638	1638	48.30	2013
	Total Hydro	1000	427	215	8.21	342
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	1.21	50
	Solar	560	0	0	0.01	1
	Renewable(Total)	848	0	0	1.22	51
	Total Punjab	8408	2065	1853	57.74	2406
Haryana	Panipat TPS (2*210+2*250)	920	410	407	9.95	415
	DCRTPP (Yamuna nagar) (2*300)	600	233	229	5.68	237
	Faridabad GPS (NTPC) (2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	377	388	9.06	378
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	366	369	8.88	370
	Thermal (Total)	4497	1386	1393	33.58	1399
	Total Hydro	62	12	8	0.26	11
	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	1398	1401	33.84	1410
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1083	974	23.52	980
	suratgarh TPS (6*250)	1500	221	213	5.39	224
	Chabra TPS (4*250)	1000	879	800	19.81	826
	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	121	136	2.36	98
	RAPS A (NPC) (1*100+1*200)	300	169	170	4.23	176
	Barsingar (NLC) (2*125)	250	226	224	5.35	223
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	835	687	16.59	691
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1055	822	21.68	903
	Kawai(Adani) (2*660)	1320	617	608	14.20	592
	Thermal (Total)	8876	5206	4634	113.12	4713
	Total Hydro	550	129	129	3.46	144
	Wind power	4017	132	483	9.05	377
	Biomass	99	13	13	0.31	13
	Solar	1295	0	0	1.88	78
	Renewable/Others (Total)	5411	145	496	11.24	468
	Total Rajasthan	14837	5480	5259	127.81	5325
UP	Anpara TPS (3*210+2*500)	1630	1067	1014	26.40	1100
	Obra TPS (2*50+2*94+5*200)	1194	478	452	11.40	475
	Paricha TPS (2*110+2*220+2*250)	1160	655	654	19.20	800
	Panki TPS (2*105)	210	135	135	3.30	138
	Harduaganj TPS (1*60+1*105+2*250)	665	415	414	11.50	479
	Tanda TPS (NTPC) (4*110)	440	278	210	6.30	262
	Roza TPS (IPP) (4*300)	1200	1097	747	24.39	1016
	Anpara-C (IPP) (2*600)	1200	1080	990	23.52	980
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	223	166	6.13	255
	Anpara-D(2*500)	1000	224	297	6.95	290
	Lalitpur TPS(3*660)	1980	593	0	4.82	201
	Bara(2*660)	1320	812	390	13.63	568
	Thermal (Total)	12449	7057	5469	157.53	6564
	Vishnuparyag HPS (IPP)(4*110)	440	83	83	1.96	82
	Alaknada(4*82.5)	330	76	0	1.22	51
	Other Hydro	527	51	219	4.16	173
	Cogeneration	981	850	850	20.40	850
	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	8117	6621	185.27	7720
Uttarakhand	Other Hydro	1250	508	321	9.23	384
	Total Gas	225	285	289	6.81	284
	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
Delhi	Renewable(Total)	327	0	0	0.05	2
	Total Uttarakhand	1802	793	610	16.09	670
	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	61	72	1.94	81
	Pragati Gas Turbine (2x104+ 1x122)	330	157	161	3.85	160
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.17	257
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	468	513	11.95	498
	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	468	513	11.95	498
HP	Baspa HPS (IPP) (3*100)	300	41	0	1.12	46
	Malana HPS (IPP) (2*43)	86	0	0	0.23	10
	Other Hydro	372	151	47	2.43	101
	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	53	39	0.17	7
	Renewable(Total)	486	53	39	0.17	7
	Total HP	1244	244	87	3.94	164
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	142	142	3.39	141
	Other Hydro/IPP(including 98 MW Small Hydro)	308	81	21	0.99	41
	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	223	163	4	183

Total State Control Area Generation	50078	18788	16506	441.02	18376
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7132	6483	195.85	8161
Total Regional Availability(Gross)	75315	41845	30561	871.04	36293

IV. Total Hydro Generation:					
Regional Entities Hydro	12234	7706	656	58.77	2449
State Control Area Hydro	7163	2038	1514	36.82	1820
Total Regional Hydro	19397	9745	2170	95.59	4269

V. Total Renewable Generation:					
Regional Entities Renewable	30	0	0	0.05	2
State Control Area Renewable	7356	198	535	12.68	528
Total Regional Renewable	7386	198	535	12.73	530

VI(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]							
Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	400	400	0	500	0.00	9.78	-9.78
765 KV Gwalior-Agra (D/C)	2562	1965	2945	0	57.50	0.00	57.50
400 KV Zerda-Kankroli	90	-188	90	201	0.00	1.37	-1.37
400 KV Zerda-Bhimnal	129	-101	210	150	0.97	0.00	0.97
220 KV Auraiya-Malanpur	-55	-57	0	88	0.00	1.47	-1.47
220 KV Badod-Kota/Morak	1	-51	16	64	0.00	1.00	-1.00
Mundra-Mohindergarh(HVDC Bipole)	2202	2198	2503	0.00	53.49	0.00	53.49
400 KV RAPPC-Sujalpur	-380	-185	458	0	8.02	0.00	8.02
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1175	1121	1561	0	32.78	0.00	32.78
Sub Total WR	6124	5102			152.77	13.63	139.14
400 kV Sasaram - Varanasi	27	28	4	65	0.00	1.05	-1.05
400 kV Sasaram - Allahabad	-138	-120	0	172	0.00	2.92	-2.92
400 KV MZP- GKP (D/C)	161	444	489	0	7.27	0.00	7.27
400 KV Patna-Balia(D/C) X 2	726	749	854	0	17.90	0.00	17.90
400 KV B'Sharif-Balia (D/C)	95	184	299	0	4.60	0.00	4.60
765 KV Gaya-Balia	134	223	323	0	5.83	0.00	5.83
765 KV Gaya-Varanasi (D/C)	-438	-481	809	0	13.98	0.00	13.98
220 KV Pusauli-Sahupuri	213	115	213	0	3.22	0.00	3.22
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	0	-27	0	0	0.00	-0.58	0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	109	104	239	0	3.57	0.00	3.57
400 KV Barh -GKP (D/C)	502	510	602	0	12.09	0.00	12.09
400 kV B'Sharif - Varanasi (D/C)	128	157	297	0	4.18	0.00	4.18
Sub Total ER	1519	1886			72.65	3.89	68.76
+/- 800 KV BiswanathCharialli-Agra	-511	-505	0	-511.00	0.00	12.05	-12.05
Sub Total NER	-511	-505			0.00	12.05	-12.05
Total IR Exchh	7132	6483			225.42	29.57	195.85

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdli (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
44.49	0.54	45.03	-0.22	-7.67	22.07	1.02	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
66.89	123.07	189.95	56.71	139.14	195.85	-10.18	16.08	5.90

VI(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]							
Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-13	-13	0	-14	0	-1	0.74

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	0.00	5.69	46.64	68.94	17.81	7.06	0.58	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)	
50.25	22.00	49.80	8.42	50.01	0.044	0.066	50.15	49.90	31.06

VIII(A). Voltage profile 400 kV										
Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	408	1:06	397	11:06	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	416	3:28	399	17:49	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	0:52	399	16:33	0.0	0.0	0.6	0.0	0.6
Kanpur	400	418	0:55	401	12:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	429	3:00	407	12:09	0.0	0.0	32.8	0.0	32.8
Ballabgarh	400	433	4:02	410	12:12	0.0	0.0	64.4	11.0	64.4
Bawana	400	426	0:53	406	12:09	0.0	0.0	25.1	0.0	25.1
Bassi	400	423	22:00	396	10:18	0.0	0.0	2.2	0.0	2.2
Hissar	400	422	0:55	400	12:12	0.0	0.0	0.8	0.0	0.8
Moga	400	413	6:10	404	12:09	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	0:50	410	12:09	0.0	0.0	35.5	0.0	35.5
Nalagarh	400	429	0:50	416	6:41	0.0	0.0	50.3	0.0	50.3
Kishenpur	400	420	0:52	399	10:18	0.0	0.0	0.0	0.0	0.0
Wagoora	400	393	3:01	366	18:19	48.8	95.9	0.0	0.0	48.8
Amritsar	400	429	3:27	407	9:43	0.0	0.0	34.9	0.0	34.9
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	23:35	403	10:16	0.0	0.0	24.9	0.0	24.9
Rishikesh	400	422	4:00	401	6:57	0.0	0.0	2.4	0.0	2.4

VIII(B). Voltage profile 765 kV										
Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	779	0:52	741	6:41	0.0	0.2	0.0	0.0	0.0
Balia	765	787	1:02	757	12:09	0.0	0.0	0.0	0.0	0.0
Moga	765	790	19:19	769	12:10	0.0	0.0	0.0	0.0	0.0

Agra	765	795	0:54	755	12:10	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	810	0:52	771	12:08	0.0	0.0	27.0	0.0	27.0
Unnao	765	769	4:00	739	12:09	0.0	1.0	0.0	0.0	0.0
Lucknow	765	799	4:00	767	12:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	815	0:52	761	6:48	0.0	0.0	4.6	0.0	4.6
Jhatikara	765	809	0:55	770	12:08	0.0	0.0	19.8	0.0	19.8
Bareilly 765 kV	765	794	0:54	761	12:09	0.0	0.0	0.0	0.0	0.0
Anta	765	792	3:04	761	1:05	0.0	0.0	0.0	0.0	0.0
Phagi	765	801	3:59	756	1:04	0.0	0.0	0.7	0.0	0.7

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	488.14	680.71	500.79	1127.29	153.08	439.42
Pong	426.72	384.05	407.93	425.81	411.03	534.70	50.74	310.18
Tehri	829.79	740.04	808.10	765.23	802.05	647.38	39.03	158.00
Koteshwar	612.50	598.50	609.83	4.10	611.09	4.95	158.00	172.00
Chamera-I	760.00	748.75	759.69	0.00	0.00	0.00	41.53	40.65
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	504.76	1.87	497.98	0.83	37.80	76.23

* 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	-544	1	0	-618	0	0	-18.46	-0.14	-18.60
Delhi	-99	-313	0	-225	60	0	-3.36	-0.26	-3.63
Haryana	-845	233	0	-510	200	0	-14.92	4.61	-10.31
HP	481	90	0	358	-13	0	12.03	-0.95	11.08
J&K	608	243	0	605	252	0	14.40	5.72	20.12
CHD	0	0	0	0	-10	0	0.00	-0.09	-0.09
Rajasthan	-71	339	0	-71	311	0	5.77	14.03	19.81
UP	76	0	0	-194	-100	0	-8.64	-1.15	-9.79
Uttarakhand	96	140	0	96	28	0	2.25	1.95	4.20
Total	-297	730	0	-559	727	0	-10.93	23.73	12.80

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-534	-1264	1	-257	0	0
Delhi	-22	-238	591	-471	0	0
Haryana	-510	-845	233	-168	0	0
HP	695	334	90	-584	0	0
J&K	608	590	383	-124	0	0
CHD	0	0	14	-51	0	0
Rajasthan	805	-71	1187	274	0	0
UP	92	-876	0	-100	0	0
Uttarakhand	127	17	266	-248	0	0

XL 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	3.47%
ER	1.04%
Simultaneous	13.89%

(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	0	12
Haryana	2	20
Rajasthan	1	15
Delhi	3	21
UP	1	13
Uttarakhand	2	19
HP	2	22
J & K	5	53
Chandigarh	4	24

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 01.01.2017 :

XVI. Synchronisation of new generating units :

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

0

0.00

0

0

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 : 01.01.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER