

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्योग)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 08.01.2017

Date of Reporting : 09.01.2017



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
39658	627	40285	0.00	28594	499	29093	0.00	822.21	2.71

* 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 *
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	43.14	7.93	0.22	51.29	38.65	39.23	0.58	90.52	0.00
Haryana	39.96	0.51	0.00	40.47	63.58	62.27	-1.31	102.73	0.00
Rajasthan	107.31	5.05	23.34	135.70	71.49	71.38	-0.11	207.08	0.00
Delhi	11.49		0.00	11.49	44.15	45.47	1.32	56.96	0.03
UP	171.72	6.62	0.00	178.34	89.92	89.93	0.00	268.27	0.01
Uttarakhand		9.08	0.00	15.94	14.34	13.04	-1.30	28.99	0.00
HP		4.47	1.16	4.47	17.76	16.44	-1.32	20.91	2.68
J & K		4.00	0.00	4.00	35.34	39.49	4.16	43.49	0.00
Chandigarh				0.00	3.34	3.27	-0.07	3.27	0.00
Total	373.62	37.66	24.73	441.70	378.56	380.51	1.95	822.21	2.71

* Shortage furnished by the respective constituent. \$ 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	4522	0	64	-617	3108	0	7	-542	4522	19:00	0
Haryana	5587	0	-169	-282	3072	0	-47	-635	5603	7:00	0
Rajasthan	9176	0	130	403	7963	0	-4	473	9497	9:00	0
Delhi	2764	0	-48	-141	1381	0	27	-544	3479	11:00	0
UP	12761	0	-7	-267	9756	0	1	92	12788	20:00	0
Uttarakhand	1606	0	-14	292	975	0	-82	249	1680	20:00	0
HP	1005	110	-86	324	693	110	-26	447	1021	10:00	148
J&K	2067	517	81	703	1555	389	94	611	2133	20:00	533
Chandigarh	171	0	-31	0	90	0	0	0	193	9:00	0
Total	39658	627	-79	415	28594	499	-29	152	39658	19:00	627

* 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	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1888	2022	1652	43.01	1792	42.53		0.48
Rihand I STPS (2*500)	1000	943	884	725	19.08	795	19.52		-0.44
Rihand II STPS (2*500)	1000	958	934	738	19.98	833	19.99		-0.01
Rihand III STPS (2*500)	1000	958	897	724	19.73	822	20.00		-0.27
Dadri I STPS (4*210)	840	815	209	166	4.16	173	4.40		-0.24
Dadri II STPS (2*490)	980	980	436	344	9.50	396	10.34		-0.84
Unchahar I TPS (2*210)	420	407	324	281	6.73	280	7.94		-1.21
Unchahar II TPS (2*210)	420	405	273	302	6.61	275	7.46		-0.85
Unchahar III TPS (1*210)	210	203	135	139	3.13	131	3.62		-0.49
ISTPP (Jhajjar) (3*500)	1500	1440	0	0	0.00	0	0.00		0.00
Dadri GPS (4*130.19+2*154.51)	830	818	146	157	3.60	150	3.96		-0.36
Anta GPS (3*88.71+1*153.2)	419	417	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	637	0	0	0.00	0	0.00		0.00
Dadri Solar(5)	5	1	0	0	0.02	1	0.01		0.00
Unchahar Solar(10)	10	0	0	0	0.01	0	0.01		0.00
Singrauli Solar(15)	15	1	0	0	0.04	2	0.03		0.01
KHEP(4*200)	800	870	860	0	2.60	108	2.61		-0.01
Sub Total (A)	12112	11739	7120	5228	138	5758	142		-4.24
B. NPC									
NAPS (2*220)	440	419	458	459	10.97	457	10.06		0.91
RAPS- B (2*220)	440	384	427	432	9.24	385	9.22		0.02
RAPS- C (2*220)	440	220	238	239	5.06	211	5.28		-0.22
Sub Total (B)	1320	1023	1123	1130	25.27	1053	24.55		0.71
C. NHPC									
Chamera I HPS (3*180)	540	540	551	0	1.79	75	1.62		0.17
Chamera II HPS (3*100)	300	301	307	0	1.17	49	1.00		0.17
Chamera III HPS (3*77)	231	167	153	0	0.51	21	0.50		0.01
Bairasul HPS(3*60)	180	179	123	0	0.58	24	0.55		0.03
Salal-HPS (6*115)	690	95	230	46	2.67	111	2.29		0.38
Tanakpur-HPS (3*31.4)	94	23	28	23	0.62	26	0.56		0.06
Uri-I HPS (4*120)	480	107	232	72	2.88	120	2.58		0.30
Uri-II HPS (4*60)	240	74	120	38	1.80	75	1.77		0.03
Dhauliganga-HPS (4*70)	280	210	216	0	0.80	34	0.74		0.07
Dulhasti-HPS (3*130)	390	257	253	0	2.62	109	2.50		0.12
Sewa-II HPS (3*40)	120	119	13	0	0.36	15	0.36		0.00
Parbati 3 (4*130)	520	130	132	0	0.42	17	0.39		0.03
Sub Total (C)	4065	2203	2359	179	16	676	15		1.38
D.SJVNL									
NJPC (6*250)	1500	1370	1321	0	6.62	276	6.49		0.13
Rampur HEP (6*68.67)	412	300	298	0	1.78	74	1.71		0.07
Sub Total (D)	1912	1670	1619	0	8.40	350	8.20		0.20
E. THDC									
Tehri HPS (4*250)	1000	1008	991	0	8.17	340	8.17		-0.01
Koteshwar HPS (4*100)	400	128	397	70	2.98	124	3.06		-0.09
Sub Total (E)	1400	1136	1388	70	11.14	464	11.23		-0.09
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	524	920	380	13.15	548	12.57		0.59
Dehar HPS (6*165)	990	146	495	165	3.59	149	3.51		0.08
Pong HPS (6*66)	396	150	396	0	3.59	150	3.60		-0.01
Sub Total (F)	2765	820	1811	545	20.33	847	19.68		0.65
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.38	16	0.36		0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.31	138	3.56		-0.24
Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.21		-0.21
Shree Cement TPS (2*150)	300	0	118	109	2.45	102	2.48		-0.02
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.15		-0.15
Sub Total (G)	1662	0	748	109	6.14	256	6.75		-0.61
H. Total Regional Entities (A-G)	25237	18590	16168	7262	225.70	9404	227.70		-2.00

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	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	205	201	4.65	194
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1

	Rajpura (2*700)	1400	820	660	22.16	923
	Talwandi Saboo (3*660)	1980	616	616	16.54	689
	Thermal (Total)	6560	1641	1477	43.14	1798
	Total Hydro	1000	365	251	7.93	330
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.21	9
	Solar	560	0	0	0.02	1
	Renewable(Total)	848	0	0	0.22	9
	Total Punjab	8408	2006	1728	51.29	2137
Haryana	Panipat TPS (2*210+2*250)	920	206	400	7.04	293
	DCRTPP (Yamuna nagar) (2*300)	600	229	228	5.43	226
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	751	766	18.27	761
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	555	370	9.22	384
	Thermal (Total)	4497	1741	1764	39.96	1665
	Total Hydro	62	22	24	0.51	21
	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	1763	1788	40.47	1686
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	877	881	21.50	896
	suratgarh TPS (6*250)	1500	181	183	4.54	189
	Chabra TPS (4*250)	1000	592	595	14.88	620
	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	160	164	2.92	122
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.30	179
	Barsingar (NLC) (2*125)	250	226	219	5.29	221
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	444	467	14.85	619
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	814	829	21.38	891
	Kawai(Adani) (2*660)	1320	748	747	17.66	736
	Thermal (Total)	8876	4232	4275	107.31	4471
	Total Hydro	550	172	229	5.05	211
	Wind power	4017	1134	86	20.91	871
	Biomass	99	13	13	0.31	13
	Solar	1295	0	0	2.12	88
	Renewable/Others (Total)	5411	1147	99	23.34	973
	Total Rajasthan	14837	5551	4603	135.70	5654
	UP	Anpara TPS (3*210+2*500)	1630	1404	1082	31.43
Obra TPS (2*50+2*94+5*200)		1194	347	308	8.12	338
Paricha TPS (2*110+2*220+2*250)		1160	653	649	17.74	739
Panki TPS (2*105)		210	135	135	3.28	137
Harduaganj TPS (1*60+1*105+2*250)		665	400	313	9.71	404
Tanda TPS (NTPC) (4*110)		440	377	276	8.19	341
Roza TPS (IPP) (4*300)		1200	1113	743	25.35	1056
Anpara-C (IPP) (2*600)		1200	531	333	11.32	472
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	252	252	6.85	285
Anpara-D(2*500)		1000	437	293	9.30	387
Lalitpur TPS(3*660)		1980	0	0	0.00	0
Bara(2*660)		1320	874	721	20.05	836
Thermal (Total)		12449	6523	5105	151.32	6305
Vishnuparyag HPS (IPP)(4*110)		440	83	78	1.91	80
Alakanada(4*82.5)		330	77	0	1.17	49
Other Hydro		527	124	103	3.54	147
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	7657	6136	178.34	7431
Uttarakhand		Other Hydro	1250	868	609	9.08
	Total Gas	225	279	282	6.86	286
	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	1147	891	15.94	664
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	60	73	1.45	61
	Pragati Gas Turbine (2x104+ 1x122)	330	160	161	3.89	162
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	249	280	6.32	263
	Badarpur TPS (NTPC) (3*95+2*210)	705	-4	-4	-0.16	-7
	Thermal (Total)	2917	465	510	11.49	479
	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	465	510	11.49	479
HP	Baspa HPS (IPP) (3*100)	300	29	0	0.84	35
	Malana HPS (IPP) (2*43)	86	0	0	0.14	6
	Other Hydro	372	139	64	2.33	97
	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	56	46	1.16	48
	Renewable(Total)	486	56	46	1.16	48
	Total HP	1244	224	111	4.47	186
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	127	127	3.05
Other Hydro/IPP(including 98 MW Small Hydro)		308	80	18	0.95	40
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	207	145	4	167	

Total State Control Area Generation	50078	19020	15912	441.70	18404
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6009	5380	172.05	7169
Total Regional Availability(Gross)	75315	41197	28553	839.45	34977

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8667	794	62.38	2599
State Control Area Hydro	7163	2421	1832	37.66	1855
Total Regional Hydro	19397	11089	2626	100.04	4454

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.06	3
State Control Area Renewable	7356	1203	145	24.73	1030
Total Regional Renewable	7386	1203	145	24.79	1033

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	-500	0	500	0.00	9.38	-9.38
765 KV Gwalior-Agra (D/C)	2080	1919	2898	0	54.14	0.00	54.14
400 KV Zerda-Kankroli	56	-95	56	154	0.00	0.50	-0.50
400 KV Zerda-Bhimnal	94	-23	183	95	0.15	0.00	0.15
220 KV Auraiya-Malanpur	-89	-70	0	104	0.00	1.69	-1.69
220 KV Badod-Kota/Morak	-2	-20	20	56	0.00	1.05	-1.05
Mundra-Mohinderghar(HVDC Bipole)	2202	2103	2504	0.00	51.46	0.00	51.46
400 KV RAPP-C-Sujalpur	372	160	401	0	6.73	0.00	6.73
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1108	1034	726	0	28.96	0.00	28.96
Sub Total WR	5321	4508			141.43	12.62	128.81
400 kV Sasaram - Varanasi	205	194	218	0	4.99	0.00	4.99
400 kV Sasaram - Allahabad	34	47	57	0	0.89	0.00	0.89
400 KV MZP- GKP (D/C)	60	158	327	84	3.72	0.00	3.72
400 KV Patna-Balia(D/C) X 2	554	610	700	0	15.30	0.00	15.30
400 KV B'Sharif-Balia (D/C)	40	72	191	0	2.55	0.00	2.55
765 KV Gaya-Balia	237	175	346	0	5.67	0.00	5.67
765 KV Gaya-Varanasi (D/C)	-380	-244	707	0	11.69	0.00	11.69
220 KV Pusaali-Sahupuri	80	90	135	0	2.41	0.00	2.41
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	-26	-24	0	32	0.00	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-130	-81	61	152	0.00	1.64	-1.64
400 KV Barh -GKP (D/C)	440	374	490	0	10.61	0.00	10.61
400 kV B'Sharif - Varanasi (D/C)	86	6	118	117	0.46	0.00	0.46
Sub Total ER	1200	1377			58.27	2.70	55.57
+/- 800 KV BiswanathChariali-Agra	-512	-505	0	512.00	0.00	12.33	-12.33
Sub Total NER	-512	-505			0.00	12.33	-12.33
Total IR Exch	6009	5380			199.70	27.65	172.05

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
35.22	0.53	35.75	-0.31	-5.23	12.46	2.17	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
47.90	133.99	181.88	43.24	128.81	172.05	-4.66	-5.17	-9.83

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	-28	-21	0	32	0	1	-0.62

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	2.30	40.61	69.57	20.10	7.74	0.35	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)		
50.23	18.02	49.83	5.19	50.02	0.040	0.062	0.00	0.00	30.43

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	407	1:03	397	7:41	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	4:01	400	9:40	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	0:59	397	9:47	0.0	0.0	1.2	0.0	1.2
Kanpur	400	417	0:59	395	9:37	0.0	0.0	0.0	0.0	0.0
Dadri	400	427	3:59	401	9:38	0.0	0.0	22.2	0.0	22.2
Ballabgarh	400	430	4:00	404	9:37	0.0	0.0	33.0	0.0	33.0
Bawana	400	425	3:44	401	9:38	0.0	0.0	19.7	0.0	19.7
Bassi	400	425	4:00	396	9:35	0.0	0.0	2.3	0.0	2.3
Hissar	400	423	4:03	397	12:43	0.0	0.0	1.4	0.0	1.4
Moga	400	415	19:38	402	12:15	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	3:03	405	12:15	0.0	0.0	27.6	0.0	27.6
Nalagarh	400	430	3:12	412	12:16	0.0	0.0	39.4	0.0	39.4
Kishenpur	400	419	2:28	397	12:14	0.0	0.0	0.0	0.0	0.0
Wagoora	400	412	17:49	367	10:34	36.3	85.6	0.0	0.0	36.3
Amritsar	400	429	3:07	406	12:14	0.0	0.0	33.8	0.0	33.8
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	2:27	413	5:49	0.0	0.0	22.5	0.0	22.5
Rishikesh	400	422	4:00	391	9:42	0.0	0.0	4.4	0.0	4.4

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	772	20:28	734	9:47	0.0	4.3	0.0	0.0	0.0
Balia	765	787	4:02	749	9:47	0.0	0.0	0.0	0.0	0.0
Moga	765	792	19:43	764	9:38	0.0	0.0	0.0	0.0	0.0

Agra	765	788	4:01	746	9:38	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	3:04	763	9:38	0.0	0.0	20.6	0.0	20.6
Unnao	765	775	4:02	730	9:46	0.0	23.9	0.0	0.0	0.0
Lucknow	765	800	4:00	758	9:47	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	20:26	762	9:38	0.0	0.0	11.6	0.0	11.6
Jhatikara	765	806	4:01	758	9:38	0.0	0.0	10.5	0.0	10.5
Bareilly 765 kV	765	796	4:02	750	9:38	0.0	0.0	0.0	0.0	0.0
Anta	765	796	3:58	758	9:33	0.0	0.0	0.0	0.0	0.0
Phagi	765	804	4:00	754	9:42	0.0	0.0	0.6	0.0	0.6

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	486.70	636.01	499.58	1076.64	211.64	402.50
Pong	426.72	384.05	407.18	407.15	409.68	484.26	94.80	245.65
Tehri	829.79	740.04	805.35	712.00	799.05	593.00	40.05	195.00
Koteshwar	612.50	598.50	609.99	4.69	611.20	5.20	195.00	195.83
Chamera-I	760.00	748.75	759.69	0.00	0.00	0.00	47.40	48.28
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	504.06	1.92	497.58	3.16	37.80	94.99

* 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	-543	1	0	-617	0	0	-18.43	0.01	-18.41
Delhi	-93	-450	0	-271	130	0	-3.86	0.57	-3.29
Haryana	-845	210	0	-509	227	0	-14.93	4.59	-10.34
HP	434	13	0	359	-35	0	11.73	-2.13	9.60
J&K	611	0	0	606	97	0	14.47	0.64	15.11
CHD	0	0	0	0	0	0	0.00	-0.07	-0.07
Rajasthan	-7	480	0	-7	410	0	7.32	12.79	20.11
UP	92	0	0	-167	-100	0	-8.11	-1.26	-9.36
Uttarakhand	192	57	0	192	100	0	4.73	0.28	5.01
Total	-159	311	0	-414	829	0	-7.07	15.43	8.36

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-533	-1262	8	0	0	0
Delhi	-16	-306	633	-461	0	0
Haryana	-509	-845	312	-134	0	0
HP	697	335	56	-645	0	0
J&K	611	593	97	-103	0	0
CHD	0	0	0	-62	0	0
Rajasthan	871	-7	897	392	0	0
UP	118	-862	0	-100	0	0
Uttarakhand	223	192	147	-151	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	1.74%
ER	0.00%
Simultaneous	0.69%

(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	8
Haryana	0	12
Rajasthan	0	10
Delhi	3	23
UP	1	20
Uttarakhand	2	23
HP	5	38
J & K	2	14
Chandigarh	2	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 08.01.2017 :

XVI. Synchronisation of new generating units :

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

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 : 08.01.2017

परी प्रभारी अभियंता / SHIFT CHARGE ENGINEER