

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 31.01.2017
Date of Reporting : 01.01.2017



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
39984	684	40668	49.98	27903	407	28311	49.99	827.67	11.31

* 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	50.88	7.72	0.28	58.87	32.56	33.31	0.75	92.18	0.00
Haryana	33.57	0.28	0.00	33.85	67.42	67.01	-0.41	100.86	0.09
Rajasthan	107.05	4.03	17.22	128.30	69.85	73.72	3.87	202.02	0.20
Delhi	11.74		0.00	11.74	52.36	51.85	-0.51	63.59	0.02
UP	162.02	5.30	0.00	167.32	93.82	93.97	0.15	261.29	0.00
Uttarakhand		7.03	0.00	14.15	20.92	20.95	0.03	35.10	0.00
HP		4.96	1.93	4.96	20.56	20.06	-0.51	25.01	0.00
J & K		4.28	0.00	4.28	38.79	39.71	0.92	43.99	11.00
Chandigarh				0.00	3.59	3.63	0.04	3.63	0.00
Total	365.25	33.59	19.43	423.47	399.87	404.21	4.33	827.67	11.31

* 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	4900	0	59	-1122	2859	0	130	-538	4976	8:00	0
Haryana	5971	0	-96	-257	2609	0	202	-540	6090	20:00	336
Rajasthan	8920	0	325	251	7163	0	240	401	9631	9:00	40
Delhi	3123	0	-98	-14	1500	0	37	-736	3712	11:00	0
UP	11741	175	-199	-215	10112	0	44	2	12017	22:00	240
Uttarakhand	1831	0	20	255	1210	0	19	322	1960	8:00	0
HP	1269	0	71	211	731	0	-48	544	1418	9:00	0
J&K	2038	509	71	694	1629	407	26	617	2053	20:00	513
Chandigarh	191	0	4	0	91	0	-1	0	218	8:00	0
Total	39984	684	157	-197	27903	407	648	74	40331	20:00	929

* 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	1843	1975	1607	42.50	1771	42.13		0.37
Rihand I STPS (2*500)	1000	475	487	408	10.41	434	10.24		0.17
Rihand II STPS (2*500)	1000	960	984	725	20.72	864	20.88		-0.15
Rihand III STPS (2*500)	1000	965	932	729	20.74	864	20.87		-0.13
Dadri I STPS (4*210)	840	815	185	153	3.66	153	3.76		-0.10
Dadri II STPS (2*490)	980	980	435	349	8.74	364	9.25		-0.51
Unchahar I TPS (2*210)	420	407	375	302	7.17	299	7.63		-0.46
Unchahar II TPS (2*210)	420	405	357	316	7.05	294	7.53		-0.48
Unchahar III TPS (1*210)	210	203	205	145	3.52	146	3.73		-0.21
ISTPP (Jhajjar) (3*500)	1500	1440	0	0	0.00	0	0.00		0.00
Dadri GPS (4*130.19+2*154.51)	830	732	205	183	4.20	175	4.69		-0.48
Anta GPS (3*88.71+1*153.2)	419	420	0	0	0.00	0	0.00		0.00
Auraiya GPS (4*111.19+2*109.30)	663	644	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	0.04		0.00
Singrauli Solar(15)	15	3	0	0	0.01	0	0.06		-0.06
KHEP(4*200)	800	872	842	0	2.60	108	2.62		-0.02
Sub Total (A)	12112	11166	6982	4917	131	5474	133		-2.08
B. NPC									
NAPS (2*220)	440	418	449	459	9.97	415	10.03		-0.06
RAPS- B (2*220)	440	403	431	441	9.42	393	9.67		-0.25
RAPS- C (2*220)	440	405	446	453	9.65	402	9.72		-0.07
Sub Total (B)	1320	1326	1326	1326	29.04	1210	29.42		-0.38
C. NHPC									
Chamera I HPS (3*180)	540	540	544	0	2.74	114	2.50		0.24
Chamera II HPS (3*100)	300	301	308	0	1.94	81	1.72		0.22
Chamera III HPS (3*77)	231	234	222	0	1.13	47	1.21		-0.08
Bairasul HPS(3*60)	180	120	124	0	1.83	76	1.73		0.11
Salal-HPS (6*115)	690	128	324	141	3.63	151	3.06		0.57
Tanakpur-HPS (3*31.4)	94	17	14	21	0.53	22	0.40		0.13
Uri-I HPS (4*120)	480	309	355	326	7.90	329	7.35		0.55
Uri-II HPS (4*60)	240	178	181	181	4.30	179	4.28		0.02
Dhauliganga-HPS (4*70)	280	140	132	0	0.81	34	0.74		0.07
Dulhasti-HPS (3*130)	390	257	256	0	3.14	131	3.00		0.14
Sewa-II HPS (3*40)	120	119	125	0	2.00	83	2.00		0.00
Parbati 3 (4*130)	520	130	133	0	0.41	17	0.39		0.02
Sub Total (C)	4065	2473	2719	669	30	1264	28		1.99
D.SJVNL									
NJPC (6*250)	1500	1615	1041	0	5.05	210	5.60		-0.55
Rampur HEP (6*68.67)	412	375	302	0	1.41	59	1.49		-0.08
Sub Total (D)	1912	1990	1343	0	6.46	269	7.09		-0.63
E. THDC									
Tehri HPS (4*250)	1000	932	923	0	8.30	346	8.20		0.10
Koteshwar HPS (4*100)	400	121	371	69	2.99	125	2.90		0.09
Sub Total (E)	1400	1053	1294	69	11.29	471	11.10		0.19
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	524	1020	397	13.06	544	12.58		0.48
Dehar HPS (6*165)	990	136	495	0	3.31	138	3.37		-0.06
Pong HPS (6*66)	396	163	330	0	3.86	161	3.91		-0.05
Sub Total (F)	2765	823	1845	397	20.23	843	19.87		0.36
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.37	15	0.35		0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	580	0	3.09	129	3.08		0.01
Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.18		0.01
Shree Cement TPS (2*150)	300	0	258	161	5.56	232	5.62		-0.06
Budhil HPS(IPP) (2*35)	70	0	0	0	0.16	7	0.26		-0.10
Sub Total (G)	1662	0	838	161	9.38	391	9.49		-0.11
H. Total Regional Entities (A-G)	25237	18731	16346	7567	238.11	9921	238.76		-0.66

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	-0.12	-5
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	0	0	-0.11	-5
Goindwal(GVK) (2*270)	540	0	0	-0.03	-1

	Rajpura (2*700)	1400	1320	660	25.40	1058
	Talwandi Saboo (3*660)	1980	1100	924	25.75	1073
	Thermal (Total)	6560	2420	1584	50.88	2120
	Total Hydro	1000	466	193	7.72	322
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.22	9
	Solar	560	0	0	0.06	2
	Renewable(Total)	848	0	0	0.28	12
	Total Punjab	8408	2886	1777	58.87	2453
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	197	162	4.20	175
	RGTPP (khedar) (IPP) (2*600)	1200	1155	760	21.85	910
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	475	368	7.51	313
	Thermal (Total)	4497	1827	1290	33.57	1399
	Total Hydro	62	7	2	0.28	12
	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	1834	1292	33.85	1410
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	95	92	2.18
suratgarh TPS (6*250)		1500	196	185	4.62	193
Chabra TPS (4*250)		1000	823	777	20.26	844
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	156	148	3.89	162
RAPS A (NPC) (1*100+1*200)		300	190	190	4.40	183
Barsingar (NLC) (2*125)		250	226	225	5.31	221
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	945	514	18.81	784
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	905	829	21.62	901
Kawai(Adani) (2*660)		1320	1181	908	25.95	1081
Thermal (Total)		8876	4717	3868	107.05	4460
Total Hydro		550	172	157	4.03	168
Wind power		4017	430	346	14.01	584
Biomass		99	7	7	0.16	7
Solar		1295	0	0	3.06	127
Renewable/Others (Total)		5411	437	353	17.22	718
Total Rajasthan		14837	5326	4378	128.30	5346
UP	Anpara TPS (3*210+2*500)	1630	1406	1099	32.40	1350
	Obra TPS (2*50+2*94+5*200)	1194	575	575	14.40	600
	Paricha TPS (2*110+2*220+2*250)	1160	0	0	0.00	0
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaqanj TPS (1*60+1*105+2*250)	665	99	100	2.40	100
	Tanda TPS (NTPC) (4*110)	440	302	276	7.48	312
	Roza TPS (IPP) (4*300)	1200	194	194	4.90	204
	Anpara-C (IPP) (2*600)	1200	635	932	21.54	898
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	313	315	8.20	342
	Lalitpur TPS(3*660)	1980	1079	1093	27.60	1150
	Bara(2*660)	1320	1071	728	22.70	946
	Thermal (Total)	12449	5674	5312	141.62	5901
	Vishnuparyag HPS (IPP)(4*110)	440	73	63	1.70	71
	Alakanada(4*82.5)	330	76	0	0.90	38
	Other Hydro	527	110	5	2.70	113
	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	6783	6230	167.32	6972	
Uttarakhand	Other Hydro	1250	441	262	7.03	293
	Total Gas	225	297	294	7.07	295
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.06	2
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.06	2
	Total Uttarakhand	1802	738	556	14.15	590
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	74	1.93	80
	Pragati Gas Turbine (2x104+ 1x122)	330	160	160	3.90	162
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	286	280	6.10	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	-3	-3	-0.17	-7
	Thermal (Total)	2917	517	511	11.74	489
	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	517	511	11.74	489
	HP	Baspa HPS (IPP) (3*100)	300	47	0	0.90
Malana HPS (IPP) (2*43)		86	0	0	0.22	9
Other Hydro		372	80	8	1.91	80
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	88	73	1.93	80
Renewable(Total)		486	88	73	1.93	80
Total HP		1244	215	81	4.96	207
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	142	113	2.95
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	39	1.33	55
	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	236	152	4	178

Total State Control Area Generation	50078	18535	14977	423.47	17644
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		6271.46	5119.36	183.13	7631
Total Regional Availability(Gross)	75315	41153	27663	844.71	35196

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8622	1135	74.58	3107
State Control Area Hydro	7163	2093	1209	33.59	1697
Total Regional Hydro	19397	10715	2345	108.17	4804

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.06	3
State Control Area Renewable	7356	525	426	19.48	812
Total Regional Renewable	7386	525	426	19.54	814

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	9.60	-9.60
765 KV Gwalior-Agra (D/C)	2310	1881	2716	0	54.53	0.00	54.53
400 KV Zerda-Kankrol	-53	-119	21	155	0.00	1.78	-1.78
400 KV Zerda-Bhimnal	43	-37	169	184	0.28	0.00	0.28
220 KV Auraiya-Malanpur	-27	-30	0	42	0.00	0.44	-0.44
220 KV Badod-Kota/Morak	51	18	62	21	0.22	0.00	0.22
Mundra-Mohinderghar(HVDC Bipole)	2502	2002	2303	0.00	57.60	0.00	57.60
400 KV RAPPCC-Sujalpur	-340	-456	456	0	6.05	0.00	6.05
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1058	1076	715	0	27.57	0.00	27.57
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	5044	3835			146.26	11.82	134.44
400 kV Sasaram - Varanasi	-177	-181	202	0	4.58	0.00	4.58
400 kV Sasaram - Allahabad	-63	-59	70	0	1.27	0.00	1.27
400 KV MZP- GKP (D/C)	125	201	595	41	5.23	0.00	5.23
400 KV Patna-Balia(D/C) X 2	803	703	912	0	17.88	0.00	17.88
400 KV B'Sharif-Balia (D/C)	33	110	195	0	3.00	0.00	3.00
765 KV Gaya-Balia	227	218	332	0	6.48	0.00	6.48
765 KV Gaya-Varanasi (D/C)	432	313	635	0	10.90	0.00	10.90
220 KV Pusauli-Sahupuri	169	116	184	0	3.28	0.00	3.28
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-38	-27	0	40	0.00	0.80	-0.80
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-141	-108	76	168	0.00	1.62	-1.62
400 KV Barh -GKP (D/C)	332	508	556	0	9.79	0.00	9.79
400 kV B'Sharif - Varanasi (D/C)	25	-10	113	106	0.36	0.00	0.36
Sub Total ER	1727	1784			63.24	2.41	60.83
+/- 800 KV BiswanathChariali-Agra	-500	-500	0	500.00	0.00	12.14	-12.14
Sub Total NER	-500	-500			0.00	12.14	-12.14
Total IR Exch	6271	5119			209.50	26.37	183.13

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
38.64	0.41	39.04	-0.72	-6.55	9.99	0.00	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incls Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
48.31	140.97	189.28	48.69	134.44	183.13	0.38	-6.52	-6.15

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	-37	-36	0	39	0	1	-0.88

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	3.45	47.41	72.84	18.21	5.24	0.34	0.00

<----- Frequency (Hz) ----->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.25	18.02	49.82	8.37	50.01	0.037	0.060	0.00	0.00	27.16

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	409	2:40	401	8:13	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	13:34	406	19:01	0.0	0.0	6.2	0.0	6.2
Bareilly(PG)400kV	400	420	2:54	402	18:20	0.0	0.0	0.0	0.0	0.0
Kanpur	400	418	0:44	404	8:45	0.0	0.0	0.0	0.0	0.0
Dadri	400	429	2:54	408	18:44	0.0	0.0	28.5	0.0	28.5
Ballabgarh	400	424	0:12	406	8:45	0.0	0.0	20.5	0.0	20.5
Bawana	400	428	0:11	409	8:46	0.0	0.0	31.1	0.0	31.1
Bassi	400	425	2:55	404	8:46	0.0	0.0	20.6	0.0	20.6
Hissar	400	423	0:09	406	8:45	0.0	0.0	15.6	0.0	15.6
Moga	400	423	2:30	407	8:49	0.0	0.0	13.5	0.0	13.5
Abdullapur	400	430	0:11	412	18:44	0.0	0.0	50.7	0.0	50.7
Nalagarh	400	432	13:30	416	5:56	0.0	0.0	67.9	1.3	67.9
Kishenpur	400	420	13:01	403	6:57	0.0	0.0	0.0	0.0	0.0
Wagoora	400	405	15:11	379	19:24	0.0	59.4	0.0	0.0	0.0
Amritsar	400	425	2:57	407	7:16	0.0	0.0	29.6	0.0	29.6
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	2:59	411	8:16	0.0	0.0	27.3	0.0	27.3
Rishikesh	400	0	0:00	0	0:00	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)				Volta ge Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	778	13:03	741	8:46	0.0	0.1	0.0	0.0	0.0
Balia	765	792	0:46	764	18:25	0.0	0.0	0.0	0.0	0.0

Moga	765	804	13:02	770	8:46	0.0	0.0	2.6	0.0	2.6
Agra	765	790	13:21	756	8:46	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	0:09	777	8:44	0.0	0.0	31.1	0.0	31.1
Unnao	765	778	2:32	747	18:20	0.0	0.0	0.0	0.0	0.0
Lucknow	765	800	3:58	765	18:25	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	21:10	767	6:38	37.1	37.1	7.5	0.0	44.6
Jhatikara	765	809	0:12	770	6:38	0.0	0.0	10.3	0.0	10.3
Bareilly 765 kV	765	801	2:58	767	18:23	0.0	0.0	0.1	0.0	0.1
Anta	765	798	3:00	768	8:45	0.0	0.0	0.0	0.0	0.0
Phagi	765	803	2:05	770	8:45	0.0	0.0	8.4	0.0	8.4

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	482.24	511.55	495.44	914.64	175.31	401.48
Pong	426.72	384.05	404.92	336.10	405.44	352.07	87.02	271.33
Tehri	829.79	740.04	795.05	529.87	787.95	425.58	37.53	209.00
Koteshwar	612.50	598.50	609.58	4.36	610.87	4.95	209.00	196.91
Chamera-I	760.00	748.75	759.31	0.00	0.00	0.00	74.54	88.61
Rihand	268.22	252.98	861.30	450.10	847.80	221.10	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	503.48	1.64	495.60	0.13	131.90	76.39

* 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	-539	1	0	-612	-510	0	-18.28	-4.95	-23.23
Delhi	-118	-617	0	-299	285	0	-4.40	2.73	-1.67
Haryana	-838	298	0	-503	246	0	-14.79	4.07	-10.72
HP	460	84	0	351	-140	0	12.04	-1.20	10.84
J&K	617	0	0	611	83	0	14.60	1.17	15.77
CHD	0	0	0	0	0	0	0.00	-0.11	-0.11
Rajasthan	26	375	0	-7	259	0	7.87	7.29	15.17
UP	102	-100	0	-115	-100	0	-7.59	-2.40	-9.99
Uttarakhand	312	10	0	0	255	0	4.29	5.40	9.69
Total	23	51	0	-575	379	0	-6.26	12.01	5.74

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-529	-1252	1	-918	0	0
Delhi	-38	-307	841	-619	0	0
Haryana	-381	-838	320	-303	0	0
HP	727	243	84	-518	0	0
J&K	617	599	216	-306	0	0
CHD	0	0	34	-56	0	0
Rajasthan	906	-7	375	-125	0	0
UP	149	-876	-100	-100	0	0
Uttarakhand	312	0	583	3	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	2.43%
ER	0.00%
Simultaneous	4.17%

(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	16
Haryana	1	19
Rajasthan	0	10
Delhi	2	14
UP	1	13
Uttarakhand	0	12
HP	5	30
J & K	3	20
Chandigarh	3	36

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 31.01.2017 :

XVI. Synchronisation of new generating units :

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

1. Newly erected 315 MVA, 400/220 KV ICT at Dehar charged at 20:05 Hrs on 31-01-2017 from 220 KV side on No Load.(Replacement of old 250 MVA ICT),
2. 80 MVAR Bus reactor at Dehradun first time charged at 2338 Hrs of 31.01.17.

0
0.00

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 : 31.01.2017

परी प्रभारी अभियंता / SHIFT CHARGE ENGINEER