

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 19.01.2017
Date of Reporting : 20.01.2017



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
43237	1221	44459	49.98	30031	410	30440	49.99	892.33	14.10

* 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	54.24	7.02	0.36	61.63	42.92	44.21	1.29	105.84	0.00
Haryana	49.97	0.35	0.00	50.33	67.72	67.66	-0.06	117.98	0.44
Rajasthan	109.41	4.53	31.48	145.42	57.01	58.68	1.67	204.10	0.00
Delhi	10.34		0.00	10.34	56.91	57.49	0.57	67.82	0.01
UP	184.30	6.41	0.00	190.71	95.95	97.15	1.20	287.85	1.47
Uttarakhand		8.75	0.00	13.00	21.72	22.34	0.62	35.34	1.52
HP		4.74	1.01	4.74	21.02	22.01	0.99	26.75	0.00
J & K		3.66	0.00	3.66	39.31	39.02	-0.29	42.68	10.67
Chandigarh				0.00	4.16	3.97	-0.20	3.97	0.00
Total	408.25	35.46	32.86	479.81	406.73	412.53	5.80	892.33	14.10

* 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	5729	0	-11	-1012	3377	0	145	-541	5729	19:00	0
Haryana	5893	575	-5	-315	3262	0	-33	-506	6503	7:00	0
Rajasthan	9372	0	277	145	7234	0	-11	280	9762	9:00	0
Delhi	3334	0	-108	-4	1571	0	109	-763	3973	12:00	0
UP	13575	0	-408	-210	10902	0	126	113	13575	19:00	0
Uttarakhand	1814	145	129	-15	1227	0	11	328	2003	8:00	0
HP	1302	0	101	243	722	0	-20	540	1425	9:00	0
J&K	2006	502	127	934	1638	410	21	719	2006	19:00	502
Chandigarh	212	0	-4	10	98	0	-4	0	238	9:00	0
Total	43237	1221	97	-224	30031	410	344	170	43237	19:00	1221

* 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	
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1890	2064	1865	44.37	1849	43.83	0.55
Rihand I STPS (2*500)	1000	934	965	779	20.31	846	20.19	0.12
Rihand II STPS (2*500)	1000	958	1025	661	20.68	862	20.52	0.16
Rihand III STPS (2*500)	1000	963	1008	701	20.73	864	20.97	-0.25
Dadri I STPS (4*210)	840	815	388	278	8.03	335	8.58	-0.55
Dadri II STPS (2*490)	980	980	459	328	9.92	413	10.59	-0.67
Unchahar I TPS (2*210)	420	407	391	269	7.60	317	8.58	-0.98
Unchahar II TPS (2*210)	420	405	361	341	7.91	330	8.54	-0.63
Unchahar III TPS (1*210)	210	203	178	144	3.81	159	4.16	-0.35
ISTPP (Jhajjar) (3*500)	1500	1440	0	0	0.00	0	0.00	0.00
Dadri GPS (4*130.19+2*154.51)	830	820	150	160	3.59	150	3.91	-0.32
Anta GPS (3*88.71+1*153.2)	419	427	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	0.02	0.00
Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
Singrauli Solar(15)	15	1	0	0	0.00	0	0.04	-0.03
KHEP(4*200)	800	653	646	0	2.04	85	1.96	0.08
Sub Total (A)	12112	11534	7635	5526	149	6210	152	-2.87
B. NPC								
NAPS (2*220)	440	418	458	463	10.09	420	10.03	0.06
RAPS- B (2*220)	440	408	451	449	9.76	407	9.79	-0.03
RAPS- C (2*220)	440	220	239	239	5.05	211	5.28	-0.23
Sub Total (B)	1320	1046	1148	1151	24.90	1037	25.10	-0.21
C. NHPC								
Chamera I HPS (3*180)	540	540	546	0	1.76	73	1.62	0.14
Chamera II HPS (3*100)	300	301	310	0	1.01	42	0.93	0.09
Chamera III HPS (3*77)	231	154	146	0	0.50	21	0.46	0.03
Bairasuli HPS(3*60)	180	120	124	0	0.50	21	0.42	0.08
Salal-HPS (6*115)	690	83	230	60	2.35	98	1.99	0.36
Tanakpur-HPS (3*31.4)	94	21	29	25	0.59	25	0.51	0.08
Uri-I HPS (4*120)	480	103	39	62	2.60	108	2.46	0.13
Uri-II HPS (4*60)	240	69	120	80	1.70	71	1.65	0.05
Dhauliganga-HPS (4*70)	280	140	133	0	0.81	34	0.77	0.04
Dulhasti-HPS (3*130)	390	387	391	0	2.70	113	2.50	0.20
Sewa-II HPS (3*40)	120	119	70	0	0.37	16	0.36	0.02
Parbati 3 (4*130)	520	130	133	0	0.40	16	0.39	0.01
Sub Total (C)	4065	2166	2271	227	15	637	14	1.22
D.SJVNL								
NJPC (6*250)	1500	1615	1321	0	5.83	243	5.91	-0.08
Rampur HEP (6*88.67)	412	375	373	0	1.62	67	1.60	0.02
Sub Total (D)	1912	1990	1694	0	7.44	310	7.50	-0.06
E. THDC								
Tehri HPS (4*250)	1000	972	920	0	8.98	374	9.00	-0.02
Koteshwar HPS (4*100)	400	133	396	68	3.21	134	3.20	0.01
Sub Total (E)	1400	1105	1316	68	12.20	508	12.20	0.00
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	535	1022	397	13.34	556	12.85	0.50
Dehar HPS (6*165)	990	124	330	0	3.06	128	2.98	0.08
Pong HPS (6*66)	396	127	396	0	3.04	127	3.04	-0.01
Sub Total (F)	2765	786	1748	397	19.44	810	18.87	0.57
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.38	16	0.36	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.09	129	3.56	-0.47
Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
Shree Cement TPS (2*150)	300	0	148	80	3.14	131	3.36	-0.22
Budhil HPS(IPP) (2*35)	70	0	0	0	0.17	7	0.19	-0.02
Sub Total (G)	1662	0	778	80	6.97	290	7.65	-0.68
H. Total Regional Entities (A-G)	25237	18627	16590	7449	235.28	9803	237.30	-2.02

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	-0.14	-6
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	468	389	8.67	361
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	660	26.12	1088
	Talwandi Saboo (3*660)	1980	900	616	19.64	818
	Thermal (Total)	6560	2688	1665	54.24	2260
	Total Hydro	1000	365	175	7.02	293
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.30	13
	Solar	560	0	0	0.06	2
	Renewable(Total)	848	0	0	0.36	15
	Total Punjab	8408	3053	1840	61.63	2568
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	280	230	6.04	252
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khehar) (IPP) (2*600)	1200	569	771	18.17	757
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1229	739	25.76	1073
	Thermal (Total)	4497	2078	1740	49.97	2082
	Total Hydro	62	7	11	0.35	15
	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	2085	1751	50.33	2097
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	829	823	19.92	830
	suratgarh TPS (6*250)	1500	186	185	4.68	195
	Chabra TPS (4*250)	1000	591	589	15.85	661
	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	146	147	3.65	152
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.36	181
	Barsingar (NLC) (2*125)	250	225	195	5.13	214
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	590	505	15.53	647
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	838	840	20.55	856
	Kawai(Adani) (2*660)	1320	817	818	19.74	823
	Thermal (Total)	8876	4412	4292	109.41	4559
	Total Hydro	550	152	170	4.53	189
	Wind power	4017	1639	721	31.09	1295
	Biomass	99	7	7	0.16	7
	Solar	1295	4	0	0.23	10
	Renewable/Others (Total)	5411	1650	728	31.48	1312
	Total Rajasthan	14837	6214	5190	145.42	6059
UP	Anpara TPS (3*210+2*500)	1630	1328	1114	31.38	1308
	Obra TPS (2*50+2*94+5*200)	1194	616	528	13.80	575
	Paricha TPS (2*110+2*220+2*250)	1160	842	584	16.85	702
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	321	406	8.34	348
	Tanda TPS (NTPC) (4*110)	440	368	276	8.26	344
	Roza TPS (IPP) (4*300)	1200	1107	747	22.48	937
	Anpara-C (IPP) (2*600)	1200	1079	630	21.83	909
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	203	141	3.93	164
	Anpara-D(2*500)	1000	617	620	13.22	551
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	985	730	23.80	992
	Thermal (Total)	12449	7466	5776	163.90	6829
	Vishnuparyag HPS (IPP)(4*110)	440	78	73	1.74	73
	Alakanada(4*82.5)	330	77	0	0.98	41
	Other Hydro	527	160	88	3.68	153
	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	8631	6787	190.71	7946	
Uttarakhand	Other Hydro	1250	612	280	8.75	365
	Total Gas	225	172	185	4.25	177
	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	784	465	13.00	542	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	35	0.96	40
	Pragati Gas Turbine (2x104+ 1x122)	330	139	140	3.37	141
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	262	280	6.22	259
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	-0.21	-9
	Thermal (Total)	2917	437	455	10.34	431
	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	437	455	10.34	431
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.96	40
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	372	151	36	2.57	107
	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	50	36	1.01	42
	Renewable(Total)	486	50	36	1.01	42
	Total HP	1244	200	72	4.74	197
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	113	113	2.71
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	193	131	4	153	

Total State Control Area Generation	50078	21597	16691	479.81	19992
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7759	7422	200.20	8342
Total Regional Availability(Gross)	75315	45947	31562	915.29	38137

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8305	692	60.05	2502
State Control Area Hydro	7163	2016	1185	35.46	1655
Total Regional Hydro	19397	10322	1877	95.51	4157

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.05	2
State Control Area Renewable	7356	1700	764	32.86	1369
Total Regional Renewable	7386	1700	764	32.91	1371

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)	-200	-500	50	500	0.18	6.17	-5.99
765 KV Gwalior-Agra (D/C)	2635	2227	3146	0	64.74	0.00	64.74
400 KV Zerda-Kankroli	-29	-149	0	185	0.00	2.65	-2.65
400 KV Zerda-Bhimnal	-87	-106	101	164	0.00	1.36	-1.36
220 KV Auraiya-Malanpur	-80	-66	0	95	0.00	0.92	-0.92
220 KV Badod-Kota/Morak	31	20	60	-14	0.54	0.00	0.54
Mundra-Mohinderghar(HVDC Bipole)	2502	2498	2512	0.00	60.45	0.00	60.45
400 KV RAPP-Subalpur	250	120	351	0	4.34	0.00	4.34
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1363	1236	1577	0	32.38	0.00	32.38
Sub Total WR	6385	5280			162.63	11.10	151.53
400 kV Sasaram - Varanasi	194	177	220	0	5.02	0.00	5.02
400 kV Sasaram - Allahabad	43	60	67	0	0.98	0.00	0.98
400 KV MZP- GKP (D/C)	48	351	367	77	4.48	0.00	4.48
400 KV Patna-Balia(D/C) X 2	648	670	887	0	16.57	0.00	16.57
400 KV B'Sharif-Balia (D/C)	74	176	264	0	2.94	0.00	2.94
765 KV Gaya-Balia	166	311	359	0	6.63	0.00	6.63
765 KV Gaya-Varanasi (D/C)	371	475	679	0	12.71	0.00	12.71
220 KV Pusaali-Sahupuri	134	105	139	0	2.65	0.00	2.65
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.51	-0.51
132 KV Son Ngr-Rihand	-33	-35	0	40	0.00	0.74	-0.74
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-139	-62	76	168	0.00	0.70	-0.70
400 KV Barh -GKP (D/C)	265	480	616	0	10.35	0.00	10.35
400 kV B'Sharif - Varanasi (D/C)	103	-66	87	121	0.55	0.00	0.55
Sub Total ER	1874	2642			62.87	1.95	60.92
+/- 800 KV BiswanathChariali-Agra	-500	-500	0	500.00	0.00	12.25	-12.25
Sub Total NER	-500	-500			0.00	12.25	-12.25
Total IR Exch	7759	7422			225.51	25.30	200.20

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
44.66	0.36	45.02	1.84	-5.93	15.12	0.00	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
61.98	141.44	203.42	48.67	151.53	200.20	-13.31	10.09	-3.21

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	-15	-15	0	-17	0	-1	0.89

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	6.35	44.95	67.31	19.38	6.33	0.72	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)		
50.32	21.59	49.83	6.11	50.01	0.048	50.20	49.90	32.69	

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	406	0:11	397	11:16	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	3:02	398	17:59	0.0	0.0	0.3	0.0	0.3
Bareilly(PG)400kV	400	420	4:00	397	11:54	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	3:57	398	10:06	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	3:59	401	12:13	0.0	0.0	16.2	0.0	16.3
Ballabgarh	400	430	3:59	404	10:17	0.0	0.0	31.1	0.0	31.1
Bawana	400	426	3:56	402	12:36	0.0	0.0	20.4	0.0	20.4
Bassi	400	425	4:02	391	10:26	0.0	0.0	7.1	0.0	7.1
Hissar	400	422	3:57	399	12:34	0.0	0.0	1.7	0.0	1.7
Moga	400	421	2:45	405	12:35	0.0	0.0	3.4	0.0	3.4
Abdullapur	400	426	2:58	409	16:14	0.0	0.0	27.2	0.0	27.2
Nalagarh	400	428	2:04	413	16:14	0.0	0.0	42.9	0.0	42.9
Kishenpur	400	419	13:01	399	18:17	0.0	0.0	0.0	0.0	0.0
Wagoora	400	402	13:01	369	18:17	25.7	83.7	0.0	0.0	25.7
Amritsar	400	426	4:33	405	7:17	0.0	0.0	10.6	0.0	10.6
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	4:00	403	7:44	0.0	0.0	1.5	0.0	1.5
Rishikesh	400	419	21:59	395	10:23	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	773	4:00	741	10:08	0.0	0.1	0.0	0.0	0.0
Balia	765	790	4:00	755	18:27	0.0	0.0	0.0	0.0	0.0
Moga	765	798	3:58	768	12:34	0.0	0.0	0.0	0.0	0.0

Agra	765	787	4:00	750	10:23	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	807	4:00	776	9:14	0.0	0.0	15.3	0.0	15.3
Unnao	765	772	3:59	730	11:57	0.0	25.5	0.0	0.0	0.0
Lucknow	765	803	3:59	765	18:27	0.0	0.0	3.1	0.0	3.1
Meerut	765	804	0:00	765	5:54	0.0	0.0	0.8	0.0	0.8
Jhatikara	765	804	4:00	761	12:35	0.0	0.0	2.4	0.0	2.4
Bareilly 765 kV	765	801	3:59	763	12:13	0.0	0.0	0.2	0.0	0.2
Anta	765	795	13:01	762	10:07	0.0	0.0	0.0	0.0	0.0
Phagi	765	800	21:59	762	10:38	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	484.49	577.33	1497.73	1006.54	150.76	412.26
Pong	426.72	384.05	406.06	370.28	407.85	425.81	55.22	212.09
Tehri	829.79	740.04	800.65	620.74	793.80	513.63	46.02	219.00
Koteshwar	612.50	598.50	609.99	4.50	610.69	4.92	219.00	211.60
Chamera-I	760.00	748.75	759.12	0.00	0.00	0.00	41.97	47.25
Rihand	268.22	252.98	862.20	466.80	848.20	227.10	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	503.04	1.54	496.04	0.89	47.75	152.37

* 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	2	0	-618	-394	0	-18.45	-0.06	-18.51
Delhi	-94	-669	0	-275	271	0	-3.84	1.85	-2.00
Haryana	-847	342	0	-513	198	0	-14.98	3.86	-11.12
HP	458	83	0	348	-105	0	11.82	-0.76	11.06
J&K	612	107	0	608	325	0	15.51	5.07	20.58
CHD	0	0	0	0	10	0	0.00	0.62	0.62
Rajasthan	18	263	0	-3	148	0	7.78	4.44	12.22
UP	113	0	0	-110	-100	0	-8.29	-1.69	-9.98
Uttarakhand	312	16	0	44	-59	0	5.42	2.77	8.19
Total	27	143	0	-518	294	0	-5.05	16.11	11.06

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-534	-1264	291	-463	0	0
Delhi	-18	-285	727	-674	0	0
Haryana	-513	-847	342	-338	0	0
HP	696	334	110	-401	0	0
J&K	747	593	451	-15	0	0
CHD	0	0	77	-21	0	0
Rajasthan	901	-7	263	-42	0	0
UP	158	-978	0	-100	0	0
Uttarakhand	312	0	393	-68	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	0.69%
ER	0.00%
Simultaneous	0.00%

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

WR	23.96%
ER	0.00%
Simultaneous	18.75%

(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	14
Haryana	1	17
Rajasthan	1	13
Delhi	3	24
UP	1	13
Uttarakhand	1	16
HP	3	20
J & K	3	30
Chandigarh	1	20

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 19.01.2017 :

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 : 19.01.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER