

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 11.02.2017

Date of Reporting : 12.02.2017



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
41950	932	42882	49.98	29597	422	30019	49.99	872.32	12.57

* 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	47.13	8.12	0.19	55.45	47.10	47.18	0.07	102.62	0.00
Haryana	21.87	0.29	0.00	22.16	85.84	86.81	0.97	108.96	0.85
Rajasthan	121.58	3.57	6.62	131.77	68.71	71.96	3.25	203.73	0.46
Delhi	11.92		0.00	11.92	48.15	46.92	-1.23	58.84	0.08
UP	183.63	6.01	0.00	189.64	98.08	98.80	0.72	288.44	0.00
Uttarakhand		5.89	0.00	12.91	21.57	21.63	0.07	34.55	0.00
HP		7.63	2.44	7.63	19.58	19.54	-0.04	27.17	0.00
J & K		7.91	0.00	7.91	37.84	36.79	-1.05	44.70	11.18
Chandigarh				0.00	3.34	3.30	-0.04	3.30	0.00
Total	386.13	39.42	9.26	439.39	430.20	432.93	2.73	872.32	12.57

* 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	5533	0	-31	-483	3129	0	82	-786	5533	19:00	0
Haryana	5507	429	-50	-139	3140	0	16	-357	5830	7:00	215
Rajasthan	8867	0	102	298	7553	0	174	362	9732	8:00	167
Delhi	2774	0	-166	-270	1454	0	-43	-777	3578	11:00	0
UP	14133	0	-23	-246	10618	0	-43	117	14133	19:00	0
Uttarakhand	1816	0	89	287	1167	0	-25	330	1868	8:00	0
HP	1130	0	-45	109	759	0	1	478	1282	8:00	0
J&K	2015	504	-41	696	1689	422	-51	521	2087	11:00	522
Chandigarh	176	0	-19	-36	87	0	-2	-1	201	9:00	0
Total	41950	932	-184	217	29597	422	110	-111	41950	19:00	932

* 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	1690	1815	1820	40.68	1695	40.44	0.24	
Rihand I STPS (2*500)	1000	484	406	463	10.58	441	10.92	-0.34	
Rihand II STPS (2*500)	1000	960	790	941	21.72	905	22.08	-0.36	
Rihand III STPS (2*500)	1000	965	845	775	21.39	891	21.76	-0.38	
Dadri I STPS (4*210)	840	815	401	310	7.67	320	8.25	-0.57	
Dadri II STPS (2*490)	980	980	458	361	9.41	392	10.27	-0.86	
Unchahar I TPS (2*210)	420	407	423	302	7.75	323	8.44	-0.69	
Unchahar II TPS (2*210)	420	405	416	266	7.37	307	8.25	-0.88	
Unchahar III TPS (1*210)	210	203	212	139	3.74	156	4.13	-0.39	
ISTPP (Jhajjar) (3*500)	1500	1440	601	280	11.29	470	11.57	-0.28	
Dadri GPS (4*130.19+2*154.51)	830	838	204	209	4.61	192	5.03	-0.42	
Anta GPS (3*88.71+1*153.2)	419	419	0	0	0.00	0.00	0.00	0.00	
Auraiya GPS (4*111.19+2*109.30)	663	644	0	0	0.00	0.00	0.00	0.00	
Dadri Solar(5)	5	1	0	0	0.00	0.00	0.02	-0.02	
Unchahar Solar(10)	10	2	0	0	0.00	0.00	0.05	-0.05	
Singrauli Solar(15)	15	2	0	0	0.00	0.00	0.05	-0.04	
KHEP(4*200)	800	872	872	786	2.57	107	2.62	-0.05	
Sub Total (A)	12112	11127	7443	6652	149	6199	154	-5.09	
B. NPC									
NAPS (2*220)	440	415	458	459	10.04	418	9.96	0.08	
RAPS- B (2*220)	440	384	429	430	9.25	385	9.22	0.03	
RAPS- C (2*220)	440	410	450	453	9.72	405	9.84	-0.12	
Sub Total (B)	1320	1209	1337	1342	29.01	1209	29.02	-0.01	
C. NHPC									
Chamera I HPS (3*180)	540	540	548	0	3.73	155	3.50	0.23	
Chamera II HPS (3*100)	300	301	0	0	0.00	0	1.07	-1.07	
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00	
Bairasuli HPS(3*60)	180	120	123	0	1.49	62	1.49	0.00	
Salal-HPS (6*115)	690	178	340	220	5.02	209	4.28	0.73	
Tanakpur-HPS (3*31.4)	94	17	31	14	0.49	20	0.40	0.09	
Uri-I HPS (4*120)	480	350	357	360	8.71	363	8.40	0.30	
Uri-II HPS (4*60)	240	185	180	187	4.44	185	4.43	0.01	
Dhauliganga-HPS (4*70)	280	140	133	0	0.74	31	0.70	0.04	
Dulhasti-HPS (3*130)	390	387	376	0	2.68	111	2.50	0.18	
Sewa-II HPS (3*40)	120	119	123	81	1.95	81	2.00	-0.05	
Parbati 3 (4*130)	520	130	131	0	0.41	17	0.39	0.02	
Sub Total (C)	4065	2467	2342	862	30	1236	29	0.50	
D.SJVNL									
NJPC (6*250)	1500	1096	1063	0	6.24	260	6.30	-0.06	
Rampur HEP (6*88.67)	412	300	295	0	1.75	73	1.74	0.01	
Sub Total (D)	1912	1396	1358	0	8.00	333	8.04	-0.04	
E. THDC									
Tehri HPS (4*250)	1000	880	837	0	7.12	297	7.00	0.12	
Koteshwar HPS (4*100)	400	113	401	69	2.75	115	2.70	0.05	
Sub Total (E)	1400	993	1238	69	9.87	411	9.70	0.17	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	530	1020	393	13.20	550	12.72	0.49	
Dehar HPS (6*165)	990	122	495	0	3.13	131	2.94	0.20	
Pong HPS (6*66)	396	192	384	0	4.59	191	4.61	-0.02	
Sub Total (F)	2765	844	1899	393	20.93	872	20.27	0.66	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.35	15	0.34	0.01	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.12	130	3.56	-0.44	
Malana Stg-II HPS (2*50)	100	0	0	0	0.17	7	0.16	0.01	
Shree Cement TPS (2*150)	300	0	295	170	6.04	252	6.11	-0.07	
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00	
Sub Total (G)	1662	0	925	170	9.68	403	10.17	-0.49	
H. Total Regional Entities (A-G)	25237	18036	16542	9488	255.92	10663	260.21	-4.30	

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	-4
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1320	720	27.09	1129
	Talwandi Saboo (3*660)	1980	984	616	20.31	846
	Thermal (Total)	6560	2304	1336	47.13	1964
	Total Hydro	1000	333	198	8.12	338
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.11	5
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	0	0	0.19	8
	Total Punjab	8408	2637	1534	55.45	2310
Haryana	Panipat TPS (2*210+2*250)	920	463	412	10.75	448
	DCRTPP (Yamuna nagar) (2*300)	600	278	234	6.63	276
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	189	163	4.49	187
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	4497	930	809	21.87	911
	Total Hydro	62	6	9	0.29	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	936	818	22.16	923
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	431	406	10.61	442
	suratgarh TPS (6*250)	1500	192	180	5.02	209
	Chabra TPS (4*250)	1000	811	747	20.66	861
	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	169	170	4.18	174
	RAPS A (NPC) (1*100+1*200)	300	175	175	4.31	180
	Barsingar (NLC) (2*125)	250	224	167	4.85	202
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	744	747	18.98	791
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1048	859	24.91	1038
	Kawai(Adani) (2*660)	1320	1190	1161	28.06	1169
	Thermal (Total)	8876	4984	4612	121.58	5066
	Total Hydro	550	169	106	3.57	149
	Wind power	4017	257	190	6.10	254
	Biomass	99	11	11	0.27	11
	Solar	1295	5	0	0.25	10
	Renewable/Others (Total)	5411	273	201	6.62	276
	Total Rajasthan	14837	5426	4919	131.77	5491
UP	Anpara TPS (3*210+2*500)	1630	1169	920	28.37	1182
	Obra TPS (2*50+2*94+5*200)	1194	484	441	11.26	469
	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	79	96	1.73	72
	Tanda TPS (NTPC) (4*110)	440	393	276	8.21	342
	Roza TPS (IPP) (4*300)	1200	806	549	16.87	703
	Anpara-C (IPP) (2*600)	1200	1076	889	24.71	1029
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	864	739	19.39	808
	Lalitpur TPS(3*660)	1980	1333	1059	29.12	1214
	Bara(2*660)	1320	1069	731	23.58	982
	Thermal (Total)	12449	7273	5700	163.23	6801
	Vishnuparyag HPS (IPP)(4*110)	440	68	63	1.55	65
	Alaknada(4*82.5)	330	75	0	0.90	37
	Other Hydro	527	226	23	3.57	149
	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	8492	6636	189.64	7902	
Uttarakhand	Other Hydro	1250	455	159	5.89	245
	Total Gas	225	291	299	6.96	290
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.06	3
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.06	3
	Total Uttarakhand	1802	746	458	12.91	538
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	73	1.94	81
	Pragati Gas Turbine (2x104+ 1x122)	330	157	162	3.89	162
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	249	280	6.27	261
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	-0.17	-7
	Thermal (Total)	2917	480	514	11.92	497
	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	480	514	11.92	497
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.84	35
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	372	224	105	4.14	173
	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	110	95	2.44	102
	Renewable(Total)	486	110	95	2.44	102
	Total HP	1244	334	200	7.63	318
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	297	148	5.01
Other Hydro/IPP(including 98 MW Small Hydro)		308	131	109	2.91	121
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	428	257	8	330	

Total State Control Area Generation	50078	19479	15336	439.39	18308
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7910.87	6969.36	197.71	8238
Total Regional Availability(Gross)	75315	43932	31793	893.01	37209

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8339	2110	74.66	3111
State Control Area Hydro	7163	2385	1314	39.42	1935
Total Regional Hydro	19397	10724	3424	114.08	5046

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.00	0
State Control Area Renewable	7356	383	296	9.32	388
Total Regional Renewable	7386	383	296	9.32	389

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)	50	-100	100	300	0.80	1.88	-1.08
765 KV Gwalior-Agra (D/C)	2347	1998	2728	0	57.88	0.00	57.88
400 KV Zerda-Kankrol	-123	-141	6	153	0.00	2.35	-2.35
400 KV Zerda-Bhimnal	-3	-5	144	133	0.22	0.00	0.22
220 KV Auraiya-Malanpur	-61	-51	0	67	0.00	1.05	-1.05
220 KV Badod-Kota/Morak	50	46	65	15	1.20	0.00	1.20
Mundra-Mohinderghar(HVDC Bipole)	2502	2102	2506	0.00	57.16	0.00	57.16
400 KV RAPP-C-Sujalpur	384	220	384	0	6.65	0.00	6.65
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	991	1025	1350	0	27.04	0.00	27.04
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	6137	5094			150.94	5.28	145.66
400 kV Sasaram - Varanasi	190	189	196	0	7.03	0.00	7.03
400 kV Sasaram - Allahabad	55	56	73	0	1.37	0.00	1.37
400 KV MZP- GKP (D/C)	155	278	298	36	4.85	0.00	4.85
400 KV Patna-Balia(D/C) X 2	560	569	730	0	14.11	0.00	14.11
400 KV B'Sharif-Balia (D/C)	77	129	210	0	3.26	0.00	3.26
765 KV Gaya-Balia	237	217	290	0	6.36	0.00	6.36
765 KV Gaya-Varanasi (D/C)	423	366	749	0	12.42	0.00	12.42
220 KV Pusauli-Sahupuri	192	191	215	0	4.51	0.00	4.51
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.48	-0.48
132 KV Son Ngr-Rihand	-30	-22	0	40	0.00	0.71	-0.71
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-136	-58	63	139	0.00	0.38	-0.38
400 KV Barh -GKP (D/C)	532	454	532	0	11.13	0.00	11.13
400 kV B'Sharif - Varanasi (D/C)	24	6	143	79	0.58	0.00	0.58
Sub Total ER	2279	2375			65.62	1.57	64.05
+/- 800 KV Biswanath Chariali-Agra	-505	-500	0	500.00	0.00	12.01	-12.01
Sub Total NER	-505	-500			0.00	12.01	-12.01
Total IR Exch	7911	6969			216.56	18.85	197.71

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
42.97	0.25	43.22	-2.62	1.00	9.23	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
49.83	146.06	195.89	52.04	145.66	197.71	2.21	-0.39	1.82

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	-36	-35	0	40	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	2.15	37.94	70.34	21.06	6.49	0.01	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)	
50.20	18.02	49.86	18.42	50.02	0.035	0.057	0.00	0.00	29.66

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	410	2:58	398	7:20	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	3:03	402	9:18	0.0	0.0	6.7	0.0	6.7
Bareilly(PG)400kV	400	421	3:00	388	12:00	0.0	0.0	0.3	0.0	0.3
Kanpur	400	418	0:44	398	9:17	0.0	0.0	0.0	0.0	0.0
Dadri	400	428	2:59	402	9:35	0.0	0.0	28.0	0.0	28.0
Ballabgarh	400	424	0:21	398	7:16	0.0	0.0	19.2	0.0	19.2
Bawana	400	428	3:03	403	7:15	0.0	0.0	35.9	0.0	35.9
Bassi	400	425	21:00	389	7:24	0.0	0.1	16.3	0.0	16.3
Hissar	400	423	0:01	400	7:15	0.0	0.0	15.3	0.0	15.3
Moga	400	423	0:03	403	7:24	0.0	0.0	18.0	0.0	18.0
Abdullapur	400	429	0:00	409	7:13	0.0	0.0	56.3	0.0	56.3
Nalagarh	400	430	0:24	412	7:18	0.0	0.0	69.4	0.0	69.4
Kishenpur	400	423	11:48	392	7:43	0.0	0.0	0.7	0.0	0.7
Wagoora	400	421	12:08	170	12:05	31.4	77.1	0.0	0.0	31.5
Amritsar	400	425	2:00	402	9:18	0.0	0.0	31.5	0.0	31.5
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	423	2:26	401	9:32	0.0	0.0	15.9	0.0	15.9
Rishikesh	400	424	0:03	396	9:18	0.0	0.0	22.0	0.0	22.0

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	23:58	740	6:52	0.0	1.4	0.0	0.0	0.0
Balia	765	789	1:04	756	9:17	0.0	0.0	0.0	0.0	0.0

Moga	765	802	13:01	762	7:22	0.0	0.0	4.1	0.0	4.1
Agra	765	794	17:30	745	7:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	0:11	764	7:20	0.0	0.0	38.5	0.0	38.5
Unnao	765	775	2:59	737	9:13	0.0	5.8	0.0	0.0	0.0
Lucknow	765	796	2:59	756	9:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	17:30	753	7:22	0.0	0.0	18.2	0.0	18.2
Jhatikara	765	807	0:22	760	7:22	0.0	0.0	23.2	0.0	23.2
Bareilly 765 kV	765	801	2:59	757	9:17	0.0	0.0	0.3	0.0	0.3
Anta	765	786	17:02	753	7:21	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	16:02	747	7:35	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	479.61	454.47	492.78	827.99	150.50	412.01
Pong	426.72	384.05	403.53	304.55	402.83	288.96	67.48	325.53
Tehri	829.79	740.04	790.35	458.35	782.45	351.77	11.20	184.00
Koteshwar	612.50	598.50	610.58	4.95	610.64	4.95	184.00	181.38
Chamera-I	760.00	748.75	758.11	0.00	0.00	0.00	78.77	100.76
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	504.39	1.37	495.57	0.00	125.54	80.37

* 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	-178	-608	0	-178	-305	0	-8.28	-6.28	-14.55
Delhi	-174	-602	0	-304	34	0	-6.07	-1.23	-7.31
Haryana	-733	376	0	-420	281	0	-12.64	7.70	-4.95
HP	388	90	0	324	-215	0	11.77	-1.85	9.92
J&K	521	0	0	514	182	0	12.29	2.78	15.07
CHD	0	-1	0	0	-36	0	0.00	-0.24	-0.24
Rajasthan	26	336	0	7	291	0	8.03	6.07	14.10
UP	117	0	0	-146	-100	0	-7.92	-1.80	-9.72
Uttarakhand	120	210	0	0	287	0	1.58	8.00	9.58
Total	87	-198	0	-202	419	0	-1.24	13.15	11.92

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-178	-736	0	-814	0	0
Delhi	-173	-351	562	-609	0	0
Haryana	-224	-733	378	222	0	0
HP	862	115	90	-634	0	0
J&K	521	502	369	-86	0	0
CHD	0	0	15	-61	0	0
Rajasthan	922	7	336	-186	0	0
UP	139	-857	0	-100	0	0
Uttarakhand	120	0	609	119	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	13.54%
ER	0.00%
Simultaneous	5.90%

(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	13
Haryana	1	13
Rajasthan	3	16
Delhi	3	30
UP	1	13
Uttarakhand	4	23
HP	3	27
J & K	3	26
Chandigarh	3	32

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 11.02.2017 :

XVI. Synchronisation of new generating units :

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

400kV Amritsar-Hamirpur LILo done at 400kV GSS Jalandhar. and 400 kV Amritsar-Jalandher first time charged at 1950Hrs of 11.02.17

0.00

0

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 : 11.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER