

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 12.02.2017

Date of Reporting : 13.02.2017



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
40418	520	40939	49.98	29596	421	30018	49.99	857.56	11.42

* 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:

UI [OD:(+ve), UD: (-ve)]

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	39.82	8.58	0.23	48.64	49.08	50.03	0.95	98.66	0.00
Haryana	27.47	0.24	0.00	27.71	84.57	84.69	0.12	112.40	0.00
Rajasthan	112.15	5.07	18.73	135.94	64.59	67.63	3.04	203.57	0.73
Delhi	11.31		0.00	11.31	46.55	45.24	-1.30	56.55	0.11
UP	183.45	4.58	0.00	188.04	97.42	95.21	-2.21	283.25	0.00
Uttarakhand		6.79	0.00	13.77	20.42	19.54	-0.89	33.31	0.00
HP		6.36	1.91	6.36	18.14	18.10	-0.05	24.46	0.00
J & K		6.01	0.00	6.01	37.56	36.32	-1.25	42.32	10.58
Chandigarh				0.00	3.28	3.04	-0.24	3.04	0.00
Total	374.21	37.62	20.87	437.76	421.61	419.79	-1.82	857.56	11.42

* Shortage furnished by the respective constituent's Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

UI/OA/PX [OD/Import: (+ve), UD/Export: (-ve)]

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	5184	0	-55	-280	3161	0	2	-382	5184	19:00	0
Haryana	5586	0	-126	-218	3429	0	139	-395	6152	7:00	0
Rajasthan	8484	0	5	285	7415	0	418	363	9863	8:00	0
Delhi	2637	0	-203	-367	1383	0	-192	-790	3480	12:00	0
UP	13538	0	-12	-236	10517	0	-231	82	13570	20:00	0
Uttarakhand	1711	0	-36	125	1187	0	-84	316	1854	8:00	0
HP	1039	0	-70	146	739	0	-46	534	1305	9:00	0
J&K	2082	520	116	699	1685	421	-11	521	2082	19:00	520
Chandigarh	158	0	-12	-20	81	0	-2	0	186	9:00	0
Total	40418	520	-394	134	29596	421	-7	249	40954	20:00	503

* STOA figures are at sellers boundary & PX figures are at regional boundary. # figures may not be at simultaneous hour.

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III. Regional Entities :

UI [OD:(+ve), UG: (-ve)]

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	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1690	1837	1658	40.27	1678	40.13	0.14
Rihand I STPS (2*500)	1000	484	482	392	10.06	419	10.21	-0.16
Rihand II STPS (2*500)	1000	960	967	216	20.45	852	20.68	-0.24
Rihand III STPS (2*500)	1000	965	922	745	20.19	841	20.58	-0.40
Dadri I STPS (4*210)	840	815	369	302	7.21	300	7.53	-0.32
Dadri II STPS (2*490)	980	980	400	357	8.75	364	9.36	-0.62
Unchahar I TPS (2*210)	420	407	415	293	7.08	295	7.65	-0.57
Unchahar II TPS (2*210)	420	405	288	292	6.37	265	6.84	-0.47
Unchahar III TPS (1*210)	210	203	152	154	3.28	137	3.42	-0.14
ISTPP (Jhajjar) (3*500)	1500	1440	673	622	14.92	622	15.01	-0.10
Dadri GPS (4*130.19+2*154.51)	830	817	195	212	4.66	194	4.98	-0.32
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	0.01	1	0.05	-0.04
Singrauli Solar(15)	15	2	0	0	0.00	0	0.04	-0.04
KHEP(4*200)	800	872	872	655	2.58	108	2.62	-0.04
Sub Total (A)	12112	11107	7572	5898	146	6077	149	-3.31
B. NPC								
NAPS (2*220)	440	415	453	460	10.02	418	9.96	0.06
RAPS- B (2*220)	440	385	426	431	9.22	384	9.24	-0.02
RAPS- C (2*220)	440	410	445	455	9.74	406	9.84	-0.10
Sub Total (B)	1320	1210	1324	1346	28.98	1208	29.04	-0.06
C. NHPC								
Chamera I HPS (3*180)	540	540	559	0	2.65	110	2.50	0.15
Chamera II HPS (3*100)	300	301	309	0	1.39	58	1.28	0.11
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	120	125	0	1.43	60	1.45	-0.02
Salal-HPS (6*115)	690	135	340	150	3.91	163	3.24	0.68
Tanakpur-HPS (3*31.4)	94	17	30	18	0.49	20	0.42	0.07
Uri-I HPS (4*120)	480	351	351	360	8.71	363	8.43	0.29
Uri-II HPS (4*60)	240	184	181	187	4.43	184	4.43	0.00
Dhauliganga-HPS (4*70)	280	140	146	0	0.67	28	0.61	0.06
Dulhasti-HPS (3*130)	390	387	395	0	2.88	120	2.70	0.18
Sewa-II HPS (3*40)	120	119	125	82	1.99	83	2.00	-0.01
Parbati 3 (4*130)	520	130	130	0	0.40	16	0.39	0.01
Sub Total (C)	4065	2425	2691	796	29	1206	27	1.50
D.SJVNL								
NJPC (6*250)	1500	1096	1040	0	5.59	233	5.71	-0.13
Rampur HEP (6*68.67)	412	259	224	0	1.52	63	1.49	0.03
Sub Total (D)	1912	1355	1264	0	7.10	296	7.20	-0.10
E. THDC								
Tehri HPS (4*250)	1000	880	874	0	7.15	298	7.00	0.15
Koteshwar HPS (4*100)	400	113	399	72	2.75	114	2.70	0.05
Sub Total (E)	1400	993	1273	72	9.90	412	9.70	0.20
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	546	1025	393	13.13	547	13.10	0.03
Dehar HPS (6*165)	990	116	495	0	2.87	119	2.78	0.09
Pong HPS (6*66)	396	209	320	0	4.97	207	5.02	-0.05
Sub Total (F)	2765	871	1840	393	20.97	874	20.90	0.07
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.34	14	0.33	0.01
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	435	0	2.87	120	3.11	-0.24
Malana Stg-II HPS (2*50)	100	0	0	0	0.19	8	0.18	0.01
Shree Cement TPS (2*150)	300	0	268	170	5.89	246	5.93	-0.04
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
Sub Total (G)	1662	0	703	170	9.29	387	9.55	-0.25
H. Total Regional Entities (A-G)	25237	17959	16667	8675	251.02	10459	252.97	-1.95

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	-0.11	-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	-0.09	-4
	Goidwal(GVK) (2*270)	540	0	0	-0.02	-1

	Rajpura (2*700)	1400	1120	660	24.19	1008
	Talwandi Saboo (3*660)	1980	616	616	15.87	661
	Thermal (Total)	6560	1736	1276	39.82	1659
	Total Hydro	1000	348	200	8.58	358
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.16	7
	Solar	560	0	0	0.08	3
	Renewable(Total)	848	0	0	0.23	10
	Total Punjab	8408	2084	1476	48.64	2026
Haryana	Panipat TPS (2*210+2*250)	920	459	413	10.71	446
	DCRTPP (Yamuna nagar) (2*300)	600	553	462	12.32	513
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	199	162	4.44	185
	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	1211	1037	27.47	1144
	Total Hydro	62	5	7	0.24	10
	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	1216	1044	27.71	1154
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	407	410	10.01
suratgarh TPS (6*250)		1500	178	192	4.71	196
Chabra TPS (4*250)		1000	802	771	19.95	831
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	170	171	4.22	176
RAPS A (NPC) (1*100+1*200)		300	175	175	4.38	183
Barsingar (NLC) (2*125)		250	223	227	4.71	196
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	528	445	15.33	639
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	838	829	21.89	912
Kawai(Adani) (2*660)		1320	1190	862	26.95	1123
Thermal (Total)		8876	4511	4082	112.15	4673
Total Hydro		550	169	208	5.07	211
Wind power		4017	500	491	14.90	621
Biomass		99	13	13	0.32	13
Solar		1295	0	0	3.51	146
Renewable/Others (Total)		5411	513	504	18.73	780
Total Rajasthan		14837	5193	4794	135.94	5664
UP	Anpara TPS (3*210+2*500)	1630	1231	937	28.27	1178
	Obra TPS (2*50+2*94+5*200)	1194	644	674	15.62	651
	Paricha TPS (2*110+2*220+2*250)	1160	0	0	0.00	0
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	157	98	3.90	163
	Tanda TPS (NTPC) (4*110)	440	386	276	8.08	336
	Roza TPS (IPP) (4*300)	1200	581	545	15.61	650
	Anpara-C (IPP) (2*600)	1200	1067	824	23.54	981
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	865	736	19.13	797
	Lalitpur TPS(3*660)	1980	1080	833	26.21	1092
	Bara(2*660)	1320	1067	734	22.70	946
	Thermal (Total)	12449	7078	5657	163.05	6794
	Vishnuparyag HPS (IPP)(4*110)	440	63	63	1.54	64
	Alakanada(4*82.5)	330	76	0	0.93	39
	Other Hydro	527	86	72	2.11	88
	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	8153	6642	188.04	7835	
Uttarakhand	Other Hydro	1250	432	238	6.79	283
	Total Gas	225	292	294	6.92	288
	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	724	532	13.77	574
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	72	73	1.94	81
	Pragati Gas Turbine (2x104+ 1x122)	330	158	162	3.87	161
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	249	280	5.67	236
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	-0.16	-7
	Thermal (Total)	2917	479	515	11.31	471
	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	479	515	11.31	471
HP	Baspa HPS (IPP) (3*100)	300	28	0	0.75	31
	Malana HPS (IPP) (2*43)	86	0	0	0.16	7
	Other Hydro	372	197	96	3.53	147
	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	87	72	1.91	80
	Renewable(Total)	486	87	72	1.91	80
	Total HP	1244	313	168	6.36	265
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	148	118	3.10
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	279	227	6	250

Total State Control Area Generation	50078	18441	15398	437.76	18240
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8158	6571	190.77	7949
Total Regional Availability(Gross)	75315	43266	30644	879.56	36648

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8376	1916	72.89	3037
State Control Area Hydro	7163	2063	1477	37.62	1858
Total Regional Hydro	19397	10439	3393	110.51	4895

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.04	2
State Control Area Renewable	7356	600	576	20.93	872
Total Regional Renewable	7386	600	576	20.97	874

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)	-250	-250	50	250	0.15	5.36	-5.21
765 KV Gwalior-Agra (D/C)	2448	2195	2882	0	59.37	0.00	59.37
400 KV Zerda-Kankroli	-14	-95	0	196	0.00	1.69	-1.69
400 KV Zerda-Bhimnal	82	15	125	160	0.30	0.00	0.30
220 KV Auraiya-Malanpur	-43	-46	0	64	0.00	1.00	-1.00
220 KV Badod-Kota/Morak	41	-8	65	20	0.74	0.00	0.74
Mundra-Mohinderghar(HVDC Bipole)	2299	1350	2305	0.00	48.18	0.00	48.18
400 KV RAPP-C-Sujalpur	360	218	369	0	6.10	0.00	6.10
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1191	1171	748	0	29.92	0.00	29.92
Champa-Kurushetra HVDC	0	0	0	0	0.00	0.00	0.00
Sub Total WR	6114	4550			144.77	8.04	136.73
400 kV Sasaram - Varanasi	203	176	196	0	6.47	0.00	6.47
400 kV Sasaram - Allahabad	41	70	70	0	1.37	0.00	1.37
400 KV MZP- GKP (D/C)	168	229	379	0	5.59	0.00	5.59
400 KV Patna-Balia(D/C) X 2	566	606	746	0	14.92	0.00	14.92
400 KV B'Sharif-Balia (D/C)	88	138	212	0	3.36	0.00	3.36
765 KV Gaya-Balia	286	274	365	0	6.82	0.00	6.82
765 KV Gaya-Varanasi (D/C)	458	439	744	0	12.37	0.00	12.37
220 KV Pusauli-Sahupuri	204	170	204	0	4.24	0.00	4.24
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-28	0	34	0.00	0.72	-0.72
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	0	0	0	0	0.00	0.00	0.00
400 KV Barh -GKP (D/C)	502	474	526	0	11.16	0.00	11.16
400 kV B'Sharif - Varanasi (D/C)	58	-26	115	58	0.69	0.00	0.69
Sub Total ER	2550	2522			66.96	0.72	66.25
+/- 800 KV Biswanath Chariali-Agra	-506	-501	0	-506.00	0.00	12.20	-12.20
Sub Total NER	-506	-501			0.00	12.20	-12.20
Total IR Exch	8158	6571			211.73	20.96	190.77

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
43.05	0.32	43.37	-2.74	1.01	7.36	-0.02	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
48.00	145.42	193.42	54.05	136.73	190.77	6.04	-8.70	-2.65

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	-34	0	39	0	1	-0.90

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	2.03	41.68	69.49	18.91	9.22	0.05	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)	
Freq	Time	Freq	Time	Hz					
50.31	18.03	49.82	18.51	50.02	0.041	0.062	0.00	0.00	30.51

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	479.33	447.73	492.51	817.99	160.87	428.24
Pong	426.72	384.05	403.36	296.79	402.59	281.22	60.14	355.06
Tehri	829.79	740.04	789.95	453.12	781.90	345.94	41.30	185.00
Koteshwar	612.50	598.50	610.55	4.80	610.71	4.95	185.00	180.77
Chamera-I	760.00	748.75	758.19	0.00	0.00	0.00	70.43	71.31
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	504.42	1.54	495.61	0.00	111.12	63.90

* 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	-204	0	-178	-102	0	-8.28	-2.70	-10.98
Delhi	-189	-601	0	-318	-49	0	-6.44	-1.56	-8.00
Haryana	-733	338	0	-423	204	0	-12.65	6.06	-6.59
HP	436	98	0	334	-188	0	12.13	-2.38	9.75
J&K	521	0	0	517	182	0	12.30	2.57	14.87
CHD	0	0	0	0	-20	0	0.00	-0.32	-0.32
Rajasthan	26	337	0	7	278	0	7.98	5.14	13.12
UP	82	0	0	-136	-100	0	-8.17	-1.71	-9.88
Uttarakhand	120	196	0	0	125	0	1.54	6.22	7.76
Total	85	165	0	-195	329	0	-1.58	11.31	9.74

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-178	-736	0	-560	0	0
Delhi	-189	-367	560	-651	0	0
Haryana	-227	-733	341	43	0	0
HP	797	178	98	-526	0	0
J&K	521	502	369	-71	0	0
CHD	0	0	20	-66	0	0
Rajasthan	912	7	337	-575	0	0
UP	117	-857	0	-100	0	0
Uttarakhand	120	0	491	82	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	1.04%
ER	0.00%
Simultaneous	2.78%

(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	2	22
Haryana	2	20
Rajasthan	0	12
Delhi	4	30
UP	2	15
Uttarakhand	2	34
HP	2	14
J & K	2	22
Chandigarh	3	29

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 12.02.2017 :

XVI. Synchronisation of new generating units :

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

1. 400 kV Jalandhar-Hamirpur line first time charged at 10.04Hrs on 12-02-2017 after LILO of 400 kV Amritsar -Hamirpur at Jalandhar S/S.

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 : 12.02.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER