

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 08.03.2017

Date of Reporting : 09.03.2017



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
38919	477	39397	49.95	31773	415	32188	50.02	862.68	10.94

* 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	31.56	8.92	0.35	40.82	53.44	55.38	1.94	96.20	0.00
Haryana	23.60	0.23	0.00	23.84	87.57	87.44	-0.12	111.28	0.00
Rajasthan	119.32	3.80	13.04	136.15	63.70	66.73	3.02	202.88	0.00
Delhi	10.76		0.00	10.76	49.44	50.35	0.92	61.11	0.04
UP	172.93	3.32	0.00	176.25	105.13	107.10	1.97	283.35	0.00
Uttarakhand		8.45	0.00	15.51	17.89	18.44	0.56	33.95	0.00
HP		5.14	2.37	5.14	20.48	21.96	1.48	27.10	0.03
J & K		6.35	0.00	6.35	36.04	37.13	1.10	43.48	10.87
Chandigarh				0.00	3.37	3.32	-0.04	3.32	0.00
Total	358.16	36.21	15.75	414.81	437.05	447.87	10.82	862.68	10.94

* 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	4306	0	32	-57	3183	0	241	-259	4782	12:00	0
Haryana	5669	0	37	39	3421	0	-67	-307	5937	7:00	0
Rajasthan	8134	0	227	392	7991	0	31	492	9710	8:00	0
Delhi	2948	0	-82	-247	1604	0	26	-658	3375	11:00	0
UP	12764	0	-427	-16	11818	0	260	112	13181	8:00	0
Uttarakhand	1795	0	162	98	1193	0	27	62	1795	19:00	0
HP	1218	0	109	-67	818	0	68	362	1487	8:00	0
J&K	1910	477	63	473	1661	415	28	374	2079	7:00	520
Chandigarh	175	0	-3	-30	84	0	-9	-25	183	9:00	0
Total	38919	477	117	585	31773	415	605	-152	41137	8:00	493

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

Diversity is 1.03

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

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	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1863	2020	1627	42.96	1790	42.70	0.26
Rihand I STPS (2*500)	1000	943	972	707	19.95	831	20.17	-0.22
Rihand II STPS (2*500)	1000	960	943	772	21.37	890	20.85	0.52
Rihand III STPS (2*500)	1000	969	976	717	21.53	897	21.52	0.01
Dadri I STPS (4*210)	840	815	139	134	3.57	149	3.78	-0.21
Dadri II STPS (2*490)	980	980	418	334	8.79	366	9.36	-0.56
Unchahar I TPS (2*210)	420	407	359	300	6.88	287	7.10	-0.22
Unchahar II TPS (2*210)	420	405	349	281	6.65	277	6.95	-0.30
Unchahar III TPS (1*210)	210	203	186	136	3.25	135	3.48	-0.23
ISTPP (Jhajjar) (3*500)	1500	1368	316	609	10.44	435	11.43	-0.99
Dadri GPS (4*130.19+2*154.51)	830	137	0	0	0.00	0	0.00	0.00
Anta GPS (3*88.71+1*153.2)	419	411	258	247	5.67	236	5.67	0.00
Auraiya GPS (4*111.19+2*109.30)	663	644	159	157	0.34	14	3.40	-3.06
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	0	0	0	0.00	0	0.00	0.00
KHEP(4*200)	800	872	651	0	2.77	116	2.62	0.16
Sub Total (A)	12112	10978	7746	6021	154	6426	159	-4.86
B. NPC								
NAPS (2*220)	440	413	440	452	9.82	409	9.91	-0.10
RAPS- B (2*220)	440	383	422	428	9.11	380	9.19	-0.08
RAPS- C (2*220)	440	400	438	446	9.46	394	9.60	-0.14
Sub Total (B)	1320	1196	1300	1326	28.38	1183	28.70	-0.32
C. NHPC								
Chamera I HPS (3*180)	540	540	554	0	2.70	113	2.50	0.20
Chamera II HPS (3*100)	300	301	310	0	1.29	54	1.20	0.09
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	179	183	0	1.65	69	1.59	0.06
Salal-HPS (6*115)	690	180	343	91	5.00	208	4.32	0.69
Tanakpur-HPS (3*31.4)	94	17	31	16	0.44	18	0.42	0.02
Uri-I HPS (4*120)	480	393	480	413	10.02	417	9.44	0.57
Uri-II HPS (4*60)	240	222	245	235	5.46	228	5.32	0.14
Dhauliganga-HPS (4*70)	280	140	142	0	0.76	32	0.74	0.03
Dulhasti-HPS (3*130)	390	387	397	0	2.69	112	2.50	0.19
Sewa-II HPS (3*40)	120	119	121	0	1.68	70	1.70	-0.02
Parbati 3 (4*130)	520	130	131	0	0.40	17	0.39	0.01
Sub Total (C)	4065	2608	2938	755	32	1337	30	1.98
D.SJVNL								
NJPC (6*250)	1500	1605	1611	0	5.82	243	5.71	0.11
Rampur HEP (6*68.67)	412	324	0	0	0.79	33	0.78	0.00
Sub Total (D)	1912	1929	1611	0	6.61	275	6.49	0.11
E. THDC								
Tehri HPS (4*250)	1000	772	767	0	7.82	326	7.79	0.03
Koteshwar HPS (4*100)	400	134	396	95	3.26	136	3.21	0.05
Sub Total (E)	1400	906	1163	95	11.09	462	11.00	0.08
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	491	826	276	11.97	499	11.78	0.20
Dehar HPS (6*165)	990	136	495	0	3.23	135	3.27	-0.04
Pong HPS (6*66)	396	173	290	0	4.13	172	4.16	-0.04
Sub Total (F)	2765	800	1611	276	19.33	805	19.20	0.13
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.33	14	0.31	0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.23	135	3.34	-0.11
Malana Stg-II HPS (2*50)	100	0	0	0	0.17	7	0.16	0.01
Shree Cement TPS (2*150)	300	0	147	111	3.33	139	3.62	-0.29
Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.00	0.00
Sub Total (G)	1662	0	732	111	7.06	294	7.43	-0.37
H. Total Regional Entities (A-G)	25237	18418	17102	8584	258.79	10783	262.04	-3.25

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	0.00	0
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0
	Goidwal(GVK) (2*270)	540	0	0	0.00	0

	Rajpura (2*700)	1400	660	660	20.35	848
	Talwandi Saboo (3*660)	1980	308	616	11.21	467
	Thermal (Total)	6560	968	1276	31.56	1315
	Total Hydro	1000	595	223	8.92	372
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.29	12
	Solar	560	0	0	0.06	2
	Renewable(Total)	848	0	0	0.35	14
	Total Punjab	8408	1563	1499	40.82	1701
Haryana	Panipat TPS (2*210+2*250)	920	469	418	10.30	429
	DCRTPP (Yamuna nagar) (2*300)	600	276	228	5.80	242
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	184	165	4.24	177
	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	373	3.27	136
	Thermal (Total)	4497	929	1184	23.60	984
	Total Hydro	62	8	10	0.23	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	937	1194	23.84	993
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	808	974	22.01	917
	suratgarh TPS (6*250)	1500	183	185	4.65	194
	Chabra TPS (4*250)	1000	757	809	19.57	815
	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	181	182	4.62	192
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.33	181
	Barsingar (NLC) (2*125)	250	215	97	4.26	178
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	518	384	12.89	537
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	811	827	20.54	856
	Kawai(Adani) (2*660)	1320	955	868	26.45	1102
	Thermal (Total)	8876	4622	4520	119.32	4972
	Total Hydro	550	158	113	3.80	158
	Wind power	4017	174	696	10.10	421
	Biomass	99	13	13	0.31	13
	Solar	1295	0	0	2.63	110
	Renewable/Others (Total)	5411	187	709	13.04	543
	Total Rajasthan	14837	4967	5342	136.15	5673
UP	Anpara TPS (3*210+2*500)	1630	1236	1264	30.16	1257
	Obra TPS (2*50+2*94+5*200)	1194	631	518	12.25	510
	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	313	312	7.71	321
	Tanda TPS (NTPC) (4*110)	440	370	283	8.38	349
	Roza TPS (IPP) (4*300)	1200	1080	756	19.97	832
	Anpara-C (IPP) (2*600)	1200	0	0	0.00	0
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	876	895	20.40	850
	Lalitpur TPS(3*660)	1980	1511	1067	31.54	1314
	Bara(2*660)	1320	761	1067	22.13	922
	Thermal (Total)	12449	6778	6162	152.53	6355
	Vishnuparyag HPS (IPP)(4*110)	440	38	63	1.28	53
	Alakanada(4*82.5)	330	84	0	0.84	35
	Other Hydro	527	39	2	1.20	50
	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	7789	7077	176.25	7344	
Uttarakhand	Other Hydro	1250	458	271	8.45	352
	Total Gas	225	292	298	7.01	292
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.05	2
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.05	2
	Total Uttarakhand	1802	750	569	15.51	646
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	74	1.93	80
	Pragati Gas Turbine (2x104+ 1x122)	330	153	154	3.74	156
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	251	5.09	212
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	477	479	10.76	448
	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	477	479	10.76	448	
HP	Baspa HPS (IPP) (3*100)	300	26	0	0.75	31
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	372	96	34	1.82	76
	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	141	57	2.37	99
	Renewable(Total)	486	141	57	2.37	99
	Total HP	1244	263	91	5.14	214
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	144	148	3.48
Other Hydro/IPP(including 98 MW Small Hydro)		308	136	120	2.86	119
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	280	268	6	264	

Total State Control Area Generation	50078	17026	16519	414.81	17284
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8172.65	7316.37	202.42	8434
Total Regional Availability(Gross)	75315	42301	32419	876.02	36501

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8559	1126	75.62	3151
State Control Area Hydro	7163	2215	1339	36.21	1803
Total Regional Hydro	19397	10774	2465	111.83	4954

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.06	2
State Control Area Renewable	7356	328	766	15.80	658
Total Regional Renewable	7386	328	766	15.86	661

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	-150	100	150	0.33	2.79	-2.46
765 KV Gwalior-Agra (D/C)	1995	1906	2920	0	55.81	0.00	55.81
400 KV Zerda-Kankrol	-118	-234	83	279	0.00	3.44	-3.44
400 KV Zerda-Bhimnal	-6	-178	46	193	0.00	1.36	-1.36
220 KV Auraiya-Malanpur	-144	-125	0	144	0.00	2.50	-2.50
220 KV Badod-Kota/Morak	34	82	80	97	0.18	0.00	0.18
Mundra-Mohinderghar(HVDC Bipole)	2497	2198	2497	0.00	51.67	0.00	51.67
400 KV RAPP-Subalpur	350	35	354	0	5.90	0.00	5.90
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1206	854	1587	0	28.09	0.00	28.09
+/- 800 kV HVDC Champa-Kurushetra	0	1440	1450	0	8.48	0.00	8.48
Sub Total WR	5764	5828			150.44	10.08	140.36
400 kV Sasaram - Varanasi	291	279	293	0	6.89	0.00	6.89
400 kV Sasaram - Allahabad	97	108	123	0	2.58	0.00	2.58
400 KV MZP- GKP (D/C)	77	13	395	100	3.08	0.00	3.08
400 KV Patna-Balia(D/C) X 2	702	479	836	0	16.06	0.00	16.06
400 KV B'Sharif-Balia (D/C)	56	26	234	0	2.80	0.00	2.80
765 KV Gaya-Balia	233	187	359	0	6.82	0.00	6.82
765 KV Gaya-Varanasi (D/C)	405	158	741	0	11.53	0.00	11.53
220 KV Pusauli-Sahupuri	219	190	220	0	4.69	0.00	4.69
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-24	0	30	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-111	-252	1	263	0.00	3.54	-3.54
400 KV Barh -GKP (D/C)	526	450	584	0	11.92	0.00	11.92
400 kV B'Sharif - Varanasi (D/C)	-56	-126	123	126	0.00	0.22	-0.22
Sub Total ER	2409	1488			66.35	4.30	62.06
+/- 800 KV HVDC BiswanathChariali-Agra	0	0	0	0.00	0.00	0.00	0.00
Sub Total NER	0	0			0.00	0.00	0.00
Total IR Exch	8173	7316			216.80	14.38	202.42

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
47.25	0.18	47.43	-4.19	-0.39	18.77	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
62.01	131.96	193.97	62.06	140.36	202.42	0.05	8.40	8.45

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	38	0	1	-0.92

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	0.96	12.88	62.00	72.96	11.11	2.89	0.22	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)		
50.29	18.02	49.73	14.12	49.98	0.052	0.069	50.08	49.86	27.04

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	3:40	400	10:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	415	1:45	401	18:43	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	3:02	393	6:03	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	1:00	400	9:10	0.0	0.0	0.0	0.0	0.0
Dadri	400	426	3:59	404	14:11	0.3	0.3	30.0	0.0	30.3
Ballabgarh	400	423	1:45	399	14:30	0.0	0.0	11.4	0.0	11.4
Bawana	400	426	23:42	407	6:28	0.0	0.0	30.4	0.0	30.4
Bassi	400	422	4:03	398	6:22	0.0	0.0	1.0	0.0	1.0
Hissar	400	422	4:00	401	6:41	0.0	0.0	1.2	0.0	1.2
Moga	400	424	3:53	406	7:19	0.0	0.0	24.5	0.0	24.5
Abdullapur	400	429	23:56	406	6:52	0.0	0.0	31.4	0.0	31.4
Nalagarh	400	436	13:07	410	14:15	0.0	0.0	62.1	1.4	62.1
Kishenpur	400	422	3:51	402	7:20	0.0	0.0	4.3	0.0	4.3
Wagoora	400	399	16:38	372	19:15	14.8	79.9	0.0	0.0	14.8
Amritsar	400	431	13:05	410	7:14	0.0	0.0	50.8	0.0	50.8
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	426	23:57	412	18:41	0.0	0.0	16.8	0.0	16.8
Rishikesh	400	424	3:51	402	16:40	0.0	0.0	11.1	0.0	11.1

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	780	1:46	747	17:12	0.0	0.0	0.0	0.0	0.0
Balia	765	785	4:00	758	19:37	0.0	0.0	0.0	0.0	0.0

Moga	765	807	13:03	771	14:12	0.0	0.0	10.5	0.0	10.5
Agra	765	793	13:00	759	6:10	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	806	1:38	772	14:11	0.0	0.0	21.4	0.0	21.4
Unnao	765	781	4:00	738	17:12	0.0	3.0	0.0	0.0	0.0
Lucknow	765	791	3:55	760	17:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	20:53	764	6:24	41.6	41.6	3.1	0.0	44.7
Jhatikara	765	805	23:57	765	14:16	0.0	0.0	8.2	0.0	8.2
Bareilly 765 kV	765	797	4:00	761	17:23	0.0	0.0	0.0	0.0	0.0
Anta	765	794	4:00	768	12:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	0	0:00	0	0:00	100.0	100.0	0.0	0.0	100.0

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	471.12	287.87	484.58	577.33	102.82	435.00
Pong	426.72	384.05	399.02	197.21	397.68	174.24	31.57	332.86
Tehri	829.79	740.04	775.55	269.00	767.30	184.00	36.50	220.00
Koteshwar	612.50	598.50	611.29	4.98	610.29	4.71	220.00	214.68
Chamera-I	760.00	748.75	758.06	0.00	0.00	0.00	82.62	72.94
Rihand	268.22	252.98	858.20	394.20	845.20	184.40	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	504.78	2.11	496.68	0.00	78.21	114.31

* 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	-57	-202	0	-57	0	0	-1.59	-0.93	-2.53
Delhi	-392	-267	0	-284	37	0	-6.18	-1.77	-7.95
Haryana	-513	206	0	-237	276	0	-7.82	7.36	-0.45
HP	272	90	0	150	-217	0	7.43	0.81	8.24
J&K	275	99	0	275	198	0	6.59	3.28	9.88
CHD	0	-25	0	0	-30	0	0.00	-0.48	-0.48
Rajasthan	29	463	0	24	368	0	0.58	9.46	10.05
UP	112	0	0	31	-47	0	-1.36	-0.93	-2.30
Uttarakhand	0	62	0	0	98	0	0.00	3.45	3.45
Total	-275	427	0	-98	683	0	-2.35	20.24	17.89

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-57	-82	0	-202	0	0
Delhi	-174	-395	289	-417	0	0
Haryana	-137	-514	393	0	0	0
HP	522	150	257	-388	0	0
J&K	275	275	297	-101	0	0
CHD	0	0	10	-55	0	0
Rajasthan	32	15	661	-98	0	0
UP	164	-277	0	-47	0	0
Uttarakhand	0	0	317	38	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	0.00%
ER	1.74%
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	23
Haryana	4	17
Rajasthan	1	15
Delhi	3	27
UP	0	10
Uttarakhand	3	30
HP	5	47
J & K	3	27
Chandigarh	5	39

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 08.03.2017 :

XVI. Synchronisation of new generating units :

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

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 : 08.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER