

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 09.03.2017
Date of Reporting : 10.03.2017



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
36980	487	37467	49.95	29703	383	30085	50.02	823.51	10.35

* 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	23.79	8.24	0.19	32.22	54.18	54.31	0.13	86.53	0.00
Haryana	19.10	0.25	0.00	19.35	90.08	88.57	-1.51	107.92	0.00
Rajasthan	121.79	4.76	6.95	133.51	63.75	66.90	3.14	200.40	0.00
Delhi	11.74		0.00	11.74	49.23	49.10	-0.13	60.84	0.01
UP	159.97	3.48	0.00	163.45	100.02	101.75	1.73	265.20	0.00
Uttarakhand		8.75	0.00	16.02	14.92	14.50	-0.43	30.52	0.00
HP		5.41	2.19	5.41	20.67	22.05	1.38	27.46	0.01
J & K		7.38	0.00	7.38	34.88	33.97	-0.91	41.35	10.34
Chandigarh				0.00	3.38	3.30	-0.09	3.30	0.00
Total	336.39	38.28	9.33	389.07	431.11	434.43	3.32	823.51	10.35

* 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	4377	0	-5	-57	3015	0	55	-259	4566	20:00	0
Haryana	5380	0	-74	131	3100	0	155	-636	5886	7:00	0
Rajasthan	7941	0	78	-395	8419	0	217	503	9931	8:00	0
Delhi	2923	0	-133	-220	1524	0	-31	-579	3350	11:00	0
UP	11478	0	-40	26	10436	0	-44	102	11929	8:00	0
Uttarakhand	1501	0	-168	130	814	0	-142	-55	1610	9:00	0
HP	1258	0	-4	8	781	0	32	347	1444	11:00	0
J&K	1950	487	-87	472	1530	383	-115	373	1956	20:00	489
Chandigarh	173	0	-8	-30	84	0	-3	-15	191	8:00	0
Total	36980	487	-440	65	29703	383	124	-219	38851	8:00	457

* 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	1858	2019	1995	44.05	1835	44.00		0.05
Rihand I STPS (2*500)	1000	943	958	713	20.40	850	20.87		-0.46
Rihand II STPS (2*500)	1000	960	1026	867	21.83	910	21.92		-0.09
Rihand III STPS (2*500)	1000	969	923	847	21.92	913	21.91		0.01
Dadri I STPS (4*210)	840	815	173	158	3.58	149	3.76		-0.18
Dadri II STPS (2*490)	980	980	354	357	8.54	356	9.14		-0.61
Unchahar I TPS (2*210)	420	407	322	289	6.73	281	7.16		-0.42
Unchahar II TPS (2*210)	420	405	307	299	6.72	280	7.00		-0.28
Unchahar III TPS (1*210)	210	203	151	143	3.29	137	3.58		-0.29
ISTPP (Jhajjar) (3*500)	1500	1440	351	312	8.82	367	9.05		-0.23
Dadri GPS (4*130.19+2*154.51)	830	0	0	0	0.00	0	0.00		0.00
Anta GPS (3*88.71+1*153.2)	419	411	217	195	5.18	216	5.29		-0.11
Auraiya GPS (4*111.19+2*109.30)	663	644	152	142	3.37	140	3.47		-0.10
Dadri Solar(5)	5	1	0	0	0.02	1	0.02		0.00
Unchahar Solar(10)	10	2	0	0	0.04	2	0.05		0.00
Singrauli Solar(15)	15	0	0	0	0.00	0	0.00		0.00
KHEP(4*200)	800	872	647	0	2.72	113	2.62		0.10
Sub Total (A)	12112	10909	7600	6317	157	6550	160		-2.63
B. NPC									
NAPS (2*220)	440	409	93	446	9.82	409	9.82		0.00
RAPS- B (2*220)	440	383	419	426	9.09	379	9.19		-0.11
RAPS- C (2*220)	440	400	436	441	9.46	394	9.60		-0.14
Sub Total (B)	1320	1192	948	1313	28.37	1182	28.61		-0.24
C. NHPC									
Chamera I HPS (3*180)	540	540	548	0	2.70	113	2.50		0.20
Chamera II HPS (3*100)	300	301	313	0	1.54	64	1.35		0.19
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00		0.00
Bairasuli HPS(3*60)	180	179	185	62	1.72	71	1.67		0.05
Salal-HPS (6*115)	690	187	343	143	5.57	232	4.48		1.09
Tanakpur-HPS (3*31.4)	94	17	31	17	0.45	19	0.42		0.03
Uri-I HPS (4*120)	480	444	480	459	11.32	472	10.66		0.66
Uri-II HPS (4*60)	240	237	245	245	5.84	243	5.69		0.15
Dhauliganga-HPS (4*70)	280	140	142	0	0.75	31	0.74		0.01
Dulhasti-HPS (3*130)	390	387	403	0	2.86	119	2.70		0.16
Sewa-II HPS (3*40)	120	119	127	119	2.38	99	2.33		0.05
Parbati 3 (4*130)	520	130	130	0	0.40	17	0.39		0.01
Sub Total (C)	4065	2681	2947	1046	36	1480	33		2.61
D.SJVNL									
NJPC (6*250)	1500	1605	1623	0	5.82	242	5.76		0.06
Rampur HEP (6*68.67)	412	323	373	0	1.45	61	1.43		0.02
Sub Total (D)	1912	1928	1996	0	7.27	303	7.19		0.08
E. THDC									
Tehri HPS (4*250)	1000	768	762	0	6.97	290	6.95		0.02
Koteshwar HPS (4*100)	400	136	399	91	3.32	138	3.26		0.06
Sub Total (E)	1400	904	1161	91	10.29	429	10.21		0.08
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	453	692	399	10.81	450	10.86		-0.05
Dehar HPS (6*165)	990	160	495	0	3.96	165	3.83		0.13
Pong HPS (6*66)	396	163	285	0	3.88	162	3.92		-0.04
Sub Total (F)	2765	775	1472	399	18.65	777	18.61		0.04
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.31	13	0.29		0.02
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	585	0	3.23	135	3.32		-0.08
Malana Stg-II HPS (2*50)	100	0	0	0	0.18	8	0.18		0.01
Shree Cement TPS (2*150)	300	0	147	132	3.37	140	3.57		-0.21
Budhil HPS(IPP) (2*35)	70	0	0	0	0.15	6	0.19		-0.04
Sub Total (G)	1662	0	732	132	7.24	302	7.55		-0.31
H. Total Regional Entities (A-G)	25237	18389	16856	9297	264.56	11023	264.92		-0.37

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
	Goindwal (GVK) (2*270)	540	0	0	0.00	0

	Rajpura (2*700)	1400	920	660	19.96	832
	Talwandi Saboo (3*660)	1980	0	308	3.83	159
	Thermal (Total)	6560	920	968	23.79	991
	Total Hydro	1000	436	207	8.24	343
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.14	6
	Solar	560	0	0	0.05	2
	Renewable(Total)	848	0	0	0.19	8
	Total Punjab	8408	1356	1175	32.22	1342
Haryana	Panipat TPS (2*210+2*250)	920	448	418	9.07	378
	DCRTPP (Yamuna nagar) (2*300)	600	232	231	6.00	250
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	166	155	4.03	168
	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	846	804	19.10	796
	Total Hydro	62	6	8	0.25	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	852	812	19.35	806
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	707	804	19.05
suratgarh TPS (6*250)		1500	183	183	4.71	196
Chabra TPS (4*250)		1000	769	820	20.53	856
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	183	4.58	191
RAPS A (NPC) (1*100+1*200)		300	194	194	4.27	178
Barsingar (NLC) (2*125)		250	191	215	5.01	209
Giral LTPS (2*125)		250	0	0	0.00	0
Rajwest LTPS (IPP) (8*135)		1080	348	647	13.17	549
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0
Kalisindh Thermal(2*600)		1200	880	861	22.58	941
Kawai(Adani) (2*660)		1320	951	1200	27.90	1162
Thermal (Total)		8876	4404	5107	121.79	5075
Total Hydro		550	196	168	4.76	198
Wind power		4017	410	209	6.80	283
Biomass		99	6	6	0.15	6
Solar		1295	0	0	0.00	0
Renewable/Others (Total)		5411	416	215	6.95	290
Total Rajasthan		14837	5016	5490	133.51	5563
UP	Anpara TPS (3*210+2*500)	1630	1408	977	30.94	1289
	Obra TPS (2*50+2*94+5*200)	1194	528	560	13.98	583
	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	153	316	6.61	275
	Tanda TPS (NTPC) (4*110)	440	272	276	6.94	289
	Roza TPS (IPP) (4*300)	1200	563	756	16.20	675
	Anpara-C (IPP) (2*600)	1200	0	0	0.17	7
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	848	774	19.27	803
	Lalitpur TPS(3*660)	1980	1066	1056	19.33	805
	Bara(2*660)	1320	729	735	26.14	1089
	Thermal (Total)	12449	5567	5450	139.57	5815
	Vishnuparyag HPS (IPP)(4*110)	440	73	58	1.57	65
	Alakanada(4*82.5)	330	85	0	0.93	39
	Other Hydro	527	52	21	0.99	41
	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	6627	6379	163.45	6810	
Uttarakhand	Other Hydro	1250	474	314	8.75	365
	Total Gas	225	290	302	7.05	294
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.22	9
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.22	9
	Total Uttarakhand	1802	764	616	16.02	668
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	74	72	1.92	80
	Pragati Gas Turbine (2x104+ 1x122)	330	156	157	3.79	158
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	250	6.04	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	481	479	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	481	479	11.74	489
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.94	39
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	372	113	52	2.08	87
	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	125	57	2.19	91
	Renewable(Total)	486	125	57	2.19	91
	Total HP	1244	238	109	5.41	226
	J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	294	144	4.52
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	430	264	7	308	

Total State Control Area Generation	50078	15764	15324	389.07	16211
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		7597.85	6268.47	187.34	7806
Total Regional Availability(Gross)	75315	40218	30890	840.97	35041

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8808	1536	78.17	3257
State Control Area Hydro	7163	2280	1451	38.28	1898
Total Regional Hydro	19397	11088	2987	116.45	5155

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.07	3
State Control Area Renewable	7356	541	272	9.55	398
Total Regional Renewable	7386	541	272	9.62	401

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	-300	0	500	0.00	6.83	-6.83
765 KV Gwalior-Agra (D/C)	2623	1938	2982	0	55.84	0.00	55.84
400 KV Zerda-Kankroli	-68	-152	10	203	0.00	2.01	-2.01
400 KV Zerda-Bhimnal	49	-46	137	94	0.39	0.00	0.39
220 KV Auraiya-Malanpur	-62	-111	0	128	0.00	2.32	-2.32
220 KV Badod-Kota/Morak	28	2	73	-53	0.22	0.00	0.22
Mundra-Mohinderghar(HVDC Bipole)	1200	1699	2004	0.00	31.81	0.00	31.81
400 KV RAPP-Subalpur	246	230	380	0	5.29	0.00	5.29
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1220	958	1377	0	28.09	0.00	28.09
+/- 800 kV HVDC Champa-Kurushetra	0	150	1450	0	14.98	0.00	14.98
Sub Total WR	5036	4368			136.62	11.16	125.46
400 kV Sasaram - Varanasi	290	285	297	0	6.99	0.00	6.99
400 kV Sasaram - Allahabad	100	104	128	0	2.50	0.00	2.50
400 KV MZP- GKP (D/C)	106	18	455	111	3.62	0.00	3.62
400 KV Patna-Balia(D/C) X 2	574	456	855	0	14.72	0.00	14.72
400 KV B'Sharif-Balia (D/C)	102	56	236	0	3.17	0.00	3.17
765 KV Gaya-Balia	362	217	479	0	7.69	0.00	7.69
765 KV Gaya-Varanasi (D/C)	324	285	824	0	10.08	0.00	10.08
220 KV Pusauli-Sahupuri	221	179	226	0	4.60	0.00	4.60
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-30	-22	0	40	0.00	0.66	-0.66
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-10	-192	23	289	0.00	2.80	-2.80
400 KV Barh -GKP (D/C)	492	428	578	0	11.48	0.00	11.48
400 kV B'Sharif - Varanasi (D/C)	31	86	131	127	0.00	0.01	-0.01
Sub Total ER	2562	1900			65.34	3.46	61.88
+/- 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	7598	6268			201.96	14.62	187.34

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
48.16	0.16	48.32	-3.78	-0.32	10.77	0.31	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
55.31	131.40	186.71	61.88	125.46	187.34	6.57	-5.94	0.63

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	-35	-37	0	38	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	3.43	45.86	76.22	16.69	3.56	0.17	0.00

<----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX (Hz)	MIN (Hz)	
50.22	13.03	49.83	6.26	50.01	0.030	0.055	50.12	49.93	23.78

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	1:52	401	15:37	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	4:02	401	18:50	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	425	3:58	403	15:37	0.0	0.0	12.4	0.0	12.4
Kanpur	400	420	3:58	402	11:18	0.0	0.0	0.0	0.0	0.0
Dadri	400	432	2:00	408	12:13	0.0	0.0	34.5	0.6	34.5
Ballabgarh	400	427	2:02	404	12:13	0.0	0.0	23.3	0.0	23.3
Bawana	400	431	2:02	410	12:09	0.0	0.0	36.9	0.1	36.9
Bassi	400	425	21:01	398	5:51	0.0	0.0	5.7	0.0	5.7
Hissar	400	425	3:58	406	6:21	0.0	0.0	16.5	0.0	16.5
Moga	400	426	2:00	410	6:21	0.0	0.0	35.4	0.0	35.4
Abdullapur	400	430	1:56	411	5:43	0.0	0.0	38.2	0.0	38.2
Nalagarh	400	434	2:04	415	6:40	0.0	0.0	58.2	13.1	58.2
Kishenpur	400	422	3:30	398	18:51	0.0	0.0	4.9	0.0	4.9
Wagoora	400	404	14:46	371	18:55	20.3	77.7	0.0	0.0	20.3
Amritsar	400	432	2:00	413	6:48	0.0	0.0	56.1	0.8	56.1
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	429	2:01	409	6:47	0.0	0.0	16.7	0.0	16.7
Rishikesh	400	430	2:53	407	11:17	0.0	0.0	41.1	0.0	41.1

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	787	3:58	752	7:37	0.0	0.0	0.0	0.0	0.0
Balia	765	792	4:02	759	18:52	0.0	0.0	0.0	0.0	0.0

Moga	765	804	23:57	784	12:12	0.0	0.0	8.9	0.0	8.9
Agra	765	800	3:59	766	7:37	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	812	3:59	779	5:40	0.0	0.0	31.2	0.0	31.2
Unnao	765	780	17:26	744	11:12	0.0	0.0	0.0	0.0	0.0
Lucknow	765	800	3:58	767	11:12	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	3:58	771	7:37	0.0	0.0	29.5	0.0	29.5
Jhatikara	765	812	3:58	773	7:37	0.0	0.0	31.8	0.0	31.8
Bareilly 765 kV	765	808	3:57	770	12:12	0.0	0.0	11.6	0.0	11.6
Anta	765	795	18:17	774	5:39	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	470.57	277.56	483.85	552.50	169.11	335.21
Pong	426.72	384.05	398.66	191.43	397.45	168.56	63.54	283.39
Tehri	829.79	740.04	775.00	262.91	766.60	180.91	39.05	197.00
Koteshwar	612.50	598.50	610.70	4.95	610.22	4.68	197.00	218.58
Chamera-I	760.00	748.75	758.16	0.00	0.00	0.00	82.62	72.94
Rihand	268.22	252.98	0.00	0.00	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	504.83	2.02	496.68	0.00	76.14	98.71

* 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	-2.70	-2.00	-4.70
Delhi	-391	-189	0	-284	65	0	-6.28	0.12	-6.16
Haryana	-513	-122	0	-237	368	0	-7.90	4.77	-3.13
HP	272	75	0	150	-142	0	8.36	0.07	8.44
J&K	274	99	0	274	198	0	6.57	3.18	9.75
CHD	0	-15	0	0	-30	0	0.00	-0.46	-0.46
Rajasthan	29	474	0	25	-420	0	0.67	5.24	5.91
UP	102	0	0	26	0	0	-1.29	0.00	-1.29
Uttarakhand	73	-128	0	0	130	0	0.77	1.57	2.34
Total	-211	-8	0	-104	169	0	-1.80	12.50	10.70

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-57	-183	0	-303	0	0
Delhi	-174	-394	312	-313	0	0
Haryana	-236	-514	401	-355	0	0
HP	531	150	213	-407	0	0
J&K	274	274	297	-101	0	0
CHD	0	0	0	-55	0	0
Rajasthan	34	20	630	-828	0	0
UP	164	-272	0	0	0	0
Uttarakhand	73	0	292	-128	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	3.47%

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

WR	6.60%
ER	0.00%
Simultaneous	32.64%

(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	0	12
Haryana	3	25
Rajasthan	2	16
Delhi	3	19
UP	0	12
Uttarakhand	3	27
HP	5	42
J & K	2	23
Chandigarh	4	41

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

(i) 400KV Kishenpur-N.Wanpoh tripped at 03:41hrs(10.03.2017) on Z-1, Y-N fault, dist. 09km from Kishenpur end. Charging attempt taken at 03:54 hrs, but the line again tripped at 03:58Hrs.

XV. Weather Conditions For 09.03.2017 :

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 : 09.03.2017

परी प्रभारी अभियंता / SHIFT CHARGE ENGINEER