

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 24.03.2017

Date of Reporting : 25.03.2017



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
40694	473	41167	49.92	35324	779	36103	50.02	923.88	12.99

* 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	69.62	4.03	0.32	73.96	53.34	52.36	-0.98	126.32	0.00
Haryana	15.42	0.45	0.00	15.87	106.69	106.93	0.24	122.80	0.00
Rajasthan	115.03	1.26	10.95	127.24	61.03	59.31	-1.72	186.54	0.00
Delhi	11.57		0.00	11.57	60.80	61.32	0.52	72.89	0.01
UP	160.59	5.71	0.00	166.30	138.12	144.11	5.99	310.41	1.65
Uttarakhand		7.42	0.00	11.56	23.02	23.61	0.59	35.17	0.97
HP		8.11	3.93	8.11	14.94	16.69	1.75	24.80	0.03
J & K		11.71	0.00	11.71	32.11	29.63	-2.48	41.34	10.33
Chandigarh				0.00	3.56	3.61	0.05	3.61	0.00
Total	372.22	38.68	15.20	426.31	493.60	497.57	3.97	923.88	12.99

* 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	5807	0	-165	-909	4283	0	-47	-455	6358	20:00	0
Haryana	5615	0	-258	187	3910	0	128	-4	5876	7:00	0
Rajasthan	7304	0	-294	350	7669	0	-58	449	8884	8:00	0
Delhi	3397	0	-124	-291	2384	0	136	-670	3601	12:00	0
UP	13670	0	148	1151	13403	215	468	998	14095	7:00	0
Uttarakhand	1829	0	214	187	1155	150	-24	321	1830	20:00	0
HP	1014	6	23	-270	770	0	48	298	1342	8:00	0
J&K	1870	467	-189	284	1655	414	-10	372	1921	20:00	480
Chandigarh	188	0	-3	0	96	0	4	-25	188	19:00	0
Total	40694	473	-649	687	35324	779	646	1285	42979	20:00	480

* STOA figures are at seller 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	Net MU
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1671	1819	1826	40.61	1692	40.05	0.56
Rihand I STPS (2*500)	1000	923	1012	1001	21.87	911	22.01	-0.14
Rihand II STPS (2*500)	1000	955	1018	1031	23.10	963	22.75	0.35
Rihand III STPS (2*500)	1000	955	1016	1019	23.09	962	22.68	0.42
Dadri I STPS (4*210)	840	815	429	331	8.77	365	9.40	-0.63
Dadri II STPS (2*490)	980	980	514	477	10.89	454	11.72	-0.83
Unchahar I TPS (2*210)	420	407	376	417	9.14	381	9.45	-0.31
Unchahar II TPS (2*210)	420	405	441	428	9.18	383	9.39	-0.21
Unchahar III TPS (1*210)	210	203	177	210	4.58	191	4.69	-0.10
ISTPP (Jhajjar) (3*500)	1500	1440	993	787	21.40	892	21.76	-0.36
Dadri GPS (4*130.19+2*154.51)	830	396	367	232	7.43	310	7.88	-0.45
Anta GPS (3*88.71+1*153.2)	419	262	0	0	0.00	0	0.01	-0.01
Auraiya GPS (4*111.19+2*109.30)	663	644	0	0	0.00	0	0.04	-0.04
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	-0.01
Singrauli Solar(15)	15	3	0	0	0.06	2	0.06	0.00
KHEP(4*200)	800	872	869	0	2.64	110	2.62	0.02
Sub Total (A)	12112	10933	9031	7759	183	7618	185	-1.74
B. NPC								
NAPS (2*220)	440	405	430	436	9.47	395	9.72	-0.25
RAPS- B (2*220)	440	376	415	423	9.00	375	9.02	-0.03
RAPS- C (2*220)	440	210	231	235	4.86	203	5.04	-0.18
Sub Total (B)	1320	991	1076	1094	23.33	972	23.78	-0.46
C. NHPC								
Chamera I HPS (3*180)	540	548	548	0	5.34	223	5.00	0.34
Chamera II HPS (3*100)	300	301	312	0	2.32	97	2.05	0.27
Chamera III HPS (3*77)	231	0	0	0	0.00	0	0.00	0.00
Bairasuli HPS(3*60)	180	179	184	0	2.72	113	2.66	0.06
Salal-HPS (6*115)	690	299	460	230	8.22	343	7.18	1.04
Tanakpur-HPS (3*31.4)	94	19	31	21	0.55	23	0.45	0.10
Uri-I HPS (4*120)	480	475	480	480	11.64	485	11.40	0.24
Uri-II HPS (4*60)	240	237	241	241	5.74	239	5.69	0.05
Dhauliganga-HPS (4*70)	280	280	283	0	0.99	41	0.91	0.08
Dulhasti-HPS (3*130)	390	387	407	0	3.52	147	3.30	0.22
Sewa-II HPS (3*40)	120	124	134	134	3.19	133	2.98	0.22
Parbati 3 (4*130)	520	179	261	0	0.60	25	0.59	0.01
Sub Total (C)	4065	3028	4341	1106	45	1868	42	2.63
D.SJVNL								
NJPC (6*250)	1500	1605	1609	0	6.23	259	6.00	0.23
Rampur HEP (6*88.67)	412	375	374	0	1.60	67	1.61	-0.01
Sub Total (D)	1912	1980	1983	0	7.83	326	7.61	0.22
E. THDC								
Tehri HPS (4*250)	1000	708	699	0	6.80	283	6.80	0.00
Koteshwar HPS (4*100)	400	125	300	90	3.00	125	3.00	0.00
Sub Total (E)	1400	833	999	90	9.80	408	9.80	0.00
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	410	814	332	10.35	431	9.84	0.51
Dehar HPS (6*165)	990	210	495	0	5.24	219	5.04	0.20
Pong HPS (6*66)	396	17	55	0	0.37	16	0.40	-0.02
Sub Total (F)	2765	637	1364	332	15.97	665	15.28	0.69
G. IPP(s)/JV(s)								
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.51	21	0.48	0.03
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	605	0	3.25	135	3.08	0.17
Malana Stg-II HPS (2*50)	100	0	0	0	0.27	11	0.25	0.02
Shree Cement TPS (2*150)	300	0	148	149	3.53	147	4.39	-0.86
Budhil HPS(IPP) (2*35)	70	0	0	0	0.22	9	0.22	0.00
Sub Total (G)	1662	0	753	149	7.78	324	8.43	-0.64
H. Total Regional Entities (A-G)	25237	18402	18547	10530	292.37	12182	291.68	0.69

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout at 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	252	252	4.84	202
	Goidwal(GVK) (2*270)	540	0	0	0.00	0

	Rajpura (2*700)	1400	1320	1200	30.54	1273
	Talwandi Saboo (3*660)	1980	1691	924	34.24	1426
	Thermal (Total)	6560	3263	2376	69.62	2901
	Total Hydro	1000	100	219	4.03	168
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.25	10
	Solar	560	0	0	0.07	3
	Renewable(Total)	848	0	0	0.32	13
	Total Punjab	8408	3363	2595	73.96	3082
Haryana	Panipat TPS (2*210+2*250)	920	230	200	5.29	220
	DCRTPP (Yamuna nagar) (2*300)	600	281	220	6.05	252
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	171	164	4.08	170
	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	682	584	15.42	642
	Total Hydro	62	18	23	0.45	19
	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	700	607	15.87	661
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	323	318	7.98	332
	suratgarh TPS (6*250)	1500	180	183	4.78	199
	Chabra TPS (4*250)	1000	817	723	19.15	798
	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	156	167	4.45	185
	RAPS A (NPC) (1*100+1*200)	300	194	194	4.29	179
	Barsingar (NLC) (2*125)	250	214	213	4.98	208
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	733	564	17.08	712
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	836	820	24.08	1003
	Kawai(Adani) (2*660)	1320	1202	1202	28.25	1177
	Thermal (Total)	8876	4655	4384	115.03	4793
	Total Hydro	550	78	90	1.26	52
	Wind power	4017	97	762	10.53	439
	Biomass	99	18	18	0.42	18
	Solar	1295	5	0	0.00	0
	Renewable/Others (Total)	5411	120	780	10.95	456
	Total Rajasthan	14837	4853	5254	127.24	5302
UP	Anpara TPS (3*210+2*500)	1630	1391	1364	33.00	1375
	Obra TPS (2*50+2*94+5*200)	1194	549	619	13.88	578
	Paricha TPS (2*110+2*220+2*250)	1160	797	806	19.14	798
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	210	199	4.98	207
	Tanda TPS (NTPC) (4*110)	440	381	390	9.09	379
	Roza TPS (IPP) (4*300)	1200	558	531	13.08	545
	Anpara-C (IPP) (2*600)	1200	542	531	12.71	530
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	782	606	18.40	767
	Lalitpur TPS(3*660)	1980	469	0	4.07	170
	Bara(2*660)	1320	555	430	11.85	494
	Thermal (Total)	12449	6234	5476	140.19	5841
	Vishnuparyag HPS (IPP)(4*110)	440	68	73	1.69	70
	Alakanada(4*82.5)	330	84	84	1.22	51
	Other Hydro	527	129	124	2.80	117
	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	7365	6607	166.30	6929	
Uttarakhand	Other Hydro	1250	392	227	7.42	309
	Total Gas	225	265	96	3.93	164
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.21	9
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.21	9
Total Uttarakhand	1802	657	323	11.56	482	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	66	98	1.80	75
	Pragati Gas Turbine (2x104+ 1x122)	330	146	150	3.65	152
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	249	6.12	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	463	497	11.57	482
	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	463	497	11.57	482	
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.16	48
	Malana HPS (IPP) (2*43)	86	0	0	0.36	15
	Other Hydro (>25MW)	372	42	66	2.66	111
	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	188	132	3.93	164
	Renewable(Total)	486	188	132	3.93	164
	Total HP	1244	231	198	8.11	338
J & K	Baqilhar HPS (IPP) (3*150+3*150)	900	444	296	8.85	369
	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	580	416	12	488	

Total State Control Area Generation	50078	18212	16497	426.31	17763
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		8056	9100	221.84	9243
Total Regional Availability(Gross)	75315	44815	36127	940.53	39189

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9161	1528	85.10	3546
State Control Area Hydro	7163	1945	1550	38.68	1784
Total Regional Hydro	19397	11105	3078	123.78	5330

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.12	5
State Control Area Renewable	7356	308	912	15.41	642
Total Regional Renewable	7386	308	912	15.53	647

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	-50	200	150	1.56	1.15	0.41
765 KV Gwalior-Agra (D/C)	1926	2512	2899	0	59.90	0.00	59.90
400 KV Zerda-Kankroli	-251	-281	0	283	0.00	5.51	-5.51
400 KV Zerda-Bhimnal	-166	-245	54	306	0.00	4.28	-4.28
220 KV Auraiya-Malanpur	-17	-1	0	40	0.00	0.06	-0.06
220 KV Badod-Kota/Morak	9	43	80	14	0.94	0.00	0.94
Mundra-Mohinderghar(HVDC Bipole)	1999	1998	2005	0.00	44.71	0.00	44.71
400 KV RAPP-Subalpur	380	294	500	0	8.45	0.00	8.45
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	821	1086	1395	0	26.49	0.00	26.49
+/- 800 kV HVDC Champa-Kurushetra	1500	1500	1500	0	32.20	0.00	32.20
Sub Total WR	6401	6856			174.24	11.00	163.24
400 kV Sasaram - Varanasi	298	281	298	0	10.36	0.00	10.36
400 kV Sasaram - Allahabad	0	0	223	0	2.62	0.00	2.62
400 KV MZP- GKP (D/C)	66	249	489	0	6.12	0.00	6.12
400 KV Patna-Balia(D/C) X 2	687	829	890	0	19.11	0.00	19.11
400 KV B'Sharif-Balia (D/C)	43	123	227	0	3.06	0.00	3.06
765 KV Gaya-Balia	197	232	376	0	3.22	0.00	3.22
765 KV Gaya-Varanasi (D/C)	177	400	594	0	10.20	0.00	10.20
220 KV Pusauli-Sahupuri	195	212	223	0	4.23	0.00	4.23
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	0	0	0	30	0.00	0.11	-0.11
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-166	-142	52	222	0.00	2.03	-2.03
400 KV Barh -GKP (D/C)	518	560	618	0	12.78	0.00	12.78
400 kV B'Sharif - Varanasi (D/C)	140	0	131	140	0.32	0.00	0.32
Sub Total ER	2155	2744			72.51	2.13	70.37
+/- 800 KV HVDC BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	11.77	-11.77
Sub Total NER	-500	-500			0.00	11.77	-11.77
Total IR Exch	8056	9100			246.75	24.91	221.84

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
53.07	0.36	53.43	-2.32	-0.53	22.47	5.02	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
73.57	150.91	224.49	58.60	163.24	221.84	-14.97	12.33	-2.64

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	-40	0	41	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	1.40	18.68	70.00	71.72	7.33	2.16	0.13	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)		
50.23	18.02	49.75	5.52	49.96	0.063	0.070	50.06	49.84	28.28

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	21:28	401	8:47	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	413	0:00	398	18:41	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	414	0:00	389	12:21	0.0	0.2	0.0	0.0	0.0
Kanpur	400	415	21:53	397	11:19	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	2:27	397	12:20	0.2	0.2	0.0	0.0	0.2
Ballabgarh	400	420	2:31	396	11:21	0.0	0.0	0.0	0.0	0.0
Bawana	400	421	3:01	397	12:20	0.0	0.0	0.3	0.0	0.3
Bassi	400	424	5:02	400	10:53	0.2	0.2	1.5	0.0	1.7
Hissar	400	417	3:00	394	11:18	0.0	0.0	0.0	0.0	0.0
Moga	400	416	0:29	396	11:19	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	421	2:57	397	11:18	0.0	0.0	0.7	0.0	0.7
Nalagarh	400	425	23:53	400	11:18	0.0	0.0	20.2	0.0	20.2
Kishenpur	400	412	2:31	396	11:18	0.0	0.0	0.0	0.0	0.0
Wagoora	400	395	18:01	372	19:31	32.6	86.8	0.0	0.0	32.6
Amritsar	400	421	23:53	397	11:19	0.0	0.0	0.3	0.0	0.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	418	2:59	402	0:00	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	418	0:00	388	11:54	0.0	0.5	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	775	21:55	740	12:22	0.0	0.9	0.0	0.0	0.0
Balia	765	784	21:56	622	18:45	36.5	36.5	0.0	0.0	36.5

Moga	765	796	21:56	757	12:20	0.0	0.0	0.0	0.0	0.0
Agra	765	785	18:02	750	12:23	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	800	3:01	762	12:19	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	0:00	743	12:20	0.0	0.0	0.0	0.0	0.0
Lucknow	765	784	21:56	748	13:41	0.0	0.0	0.0	0.0	0.0
Meerut	765	802	21:56	756	12:21	0.0	0.0	0.4	0.0	0.4
Jhatikara	765	799	21:57	765	16:19	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	788	0:00	640	14:42	34.1	34.1	0.0	0.0	34.1
Anta	765	794	3:24	765	16:22	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	465.68	204.14	481.68	495.33	165.85	347.84
Pong	426.72	384.05	396.49	151.67	396.82	157.28	41.31	29.08
Tehri	829.79	740.04	766.45	176.00	758.10	105.63	43.74	203.00
Koteshwar	612.50	598.50	610.70	4.69	611.00	5.07	203.00	201.08
Chamera-I	760.00	748.75	757.03	0.00	0.00	0.00	128.06	144.77
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	504.74	0.66	496.96	5.80	78.77	102.74

* 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	-152	-303	0	0	-909	0	-2.55	-6.95	-9.50
Delhi	-520	-150	0	-276	-16	0	-7.25	-0.41	-7.66
Haryana	-205	201	0	-137	323	0	-3.70	7.31	3.61
HP	308	-10	0	10	-280	0	5.47	-2.26	3.22
J&K	174	198	0	174	109	0	4.18	4.60	8.78
CHD	0	-25	0	0	0	0	0.00	-0.26	-0.26
Rajasthan	25	424	0	27	323	0	0.32	8.07	8.39
UP	173	826	0	159	991	0	2.38	11.38	13.75
Uttarakhand	73	248	0	0	187	0	1.50	7.05	8.55
Total	-123	1408	0	-42	729	0	0.35	28.52	28.88

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-303	0	-1111	0	0
Delhi	-194	-520	221	-243	0	0
Haryana	60	-206	381	-79	0	0
HP	492	7	110	-432	0	0
J&K	174	174	357	-14	0	0
CHD	0	0	15	-40	0	0
Rajasthan	34	-80	424	-23	0	0
UP	204	1	991	-47	0	0
Uttarakhand	104	0	411	167	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	7.64%
ER	0.00%
Simultaneous	0.00%

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

WR	23.61%
ER	0.00%
Simultaneous	13.54%

(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	16
Haryana	2	15
Rajasthan	4	34
Delhi	5	30
UP	2	21
Uttarakhand	1	18
HP	5	43
J & K	4	28
Chandigarh	4	44

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 24.03.2017 :

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 : 24.03.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER