

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 26.01.2017

Date of Reporting : 27.01.2017



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
31907	308	32216	49.98	26248	289	26537	49.99	691.56	8.52

* 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	36.69	6.44	0.27	43.40	30.70	32.23	1.53	75.62	0.00
Haryana	27.96	0.31	0.00	28.27	39.07	38.30	-0.77	66.57	0.00
Rajasthan	89.20	4.90	4.43	98.53	53.36	53.96	0.60	152.49	0.21
Delhi	6.82	0.00	0.00	6.82	42.83	43.90	1.06	50.72	0.02
UP	171.76	6.60	0.00	178.36	89.90	87.03	-2.87	265.38	0.00
Uttarakhand	8.51	0.00	0.00	10.83	18.65	17.38	-1.27	28.21	0.00
HP	4.93	1.78	0.00	4.93	18.74	12.09	-6.65	17.02	0.21
J & K	4.77	0.00	0.00	4.77	36.11	27.56	-8.54	32.33	8.08
Chandigarh	0.00	0.00	0.00	0.00	3.47	3.21	-0.26	3.21	0.00
Total	332.43	36.45	6.49	375.91	332.82	315.66	-17.16	691.56	8.52

* 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	3827	0	334	-959	2640	0	-93	-537	3827	19:00	0
Haryana	3488	0	-78	-317	2446	0	117	-678	4047	7:00	0
Rajasthan	7198	0	260	126	6886	0	-1	400	7589	1:00	0
Delhi	2272	0	-162	-275	1460	0	108	-553	3043	11:00	0
UP	11445	0	-782	-249	10058	0	60	92	14344	9:00	0
Uttarakhand	1472	0	-24	206	947	0	-36	324	1598	8:00	0
HP	811	0	-398	354	564	0	-239	546	811	19:00	0
J&K	1233	308	-562	942	1154	289	-316	616	1580	12:00	395
Chandigarh	162	0	-37	0	94	0	-5	0	181	8:00	0
Total	31907	308	-1450	-171	26248	289	-406	211	34213	8:00	345

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

Diversity is 1.08

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	
A. NTPC								
Singrauli STPS (5*200+2*500)	2000	1890	1551	1405	34.30	1429	32.98	1.32
Rihand I STPS (2*500)	1000	477	326	346	8.20	342	8.14	0.06
Rihand II STPS (2*500)	1000	961	667	677	16.43	684	16.16	0.27
Rihand III STPS (2*500)	1000	963	707	675	16.44	685	16.21	0.23
Dadri I STPS (4*210)	840	815	170	143	3.68	153	3.69	-0.01
Dadri II STPS (2*490)	980	980	340	331	8.29	345	8.67	-0.38
Unchahar I TPS (2*210)	420	407	289	293	6.73	281	7.13	-0.39
Unchahar II TPS (2*210)	420	222	137	136	3.46	144	3.75	-0.28
Unchahar III TPS (1*210)	210	203	130	141	3.11	130	3.47	-0.35
ISTPP (Jhajjar) (3*500)	1500	1440	0	0	0.00	0	0.00	0.00
Dadri GPS (4*130.19+2*154.51)	830	832	169	185	4.45	185	4.91	-0.47
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	0	0	0	0.00	0	0.01	-0.01
Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
Singrauli Solar(15)	15	2	0	0	0.00	0	0.05	-0.05
KHEP(4*200)	800	872	862	0	2.69	112	2.62	0.07
Sub Total (A)	12112	11129	5348	4332	108	4493	108	0.02
B. NPC								
NAPS (2*220)	440	414	448	456	9.93	414	9.94	-0.01
RAPS- B (2*220)	440	400	449	447	9.69	404	9.60	0.09
RAPS- C (2*220)	440	403	448	447	9.70	404	9.67	0.03
Sub Total (B)	1320	1217	1345	1350	29.32	1221	29.21	0.11
C. NHPC								
Chamera I HPS (3*180)	540	540	0	0	0.00	0	1.62	-1.62
Chamera II HPS (3*100)	300	301	310	0	1.79	75	1.75	0.04
Chamera III HPS (3*77)	231	193	149	0	0.76	32	0.80	-0.04
Bairasuli HPS(3*60)	180	120	124	0	2.18	91	2.13	0.05
Salal-HPS (6*115)	690	409	448	450	10.78	449	9.83	0.96
Tanakpur-HPS (3*31.4)	94	18	32	20	0.52	22	0.43	0.09
Uri-I HPS (4*120)	480	142	222	70	3.49	145	3.40	0.09
Uri-II HPS (4*60)	240	107	117	80	2.51	105	2.59	-0.07
Dhauliganga-HPS (4*70)	280	140	141	0	0.80	33	0.74	0.06
Dulhasti-HPS (3*130)	390	257	266	0	2.42	101	2.30	0.12
Sewa-II HPS (3*40)	120	124	120	129	3.01	125	2.98	0.03
Parbati 3 (4*130)	520	130	132	0	0.32	13	0.42	-0.10
Sub Total (C)	4065	2481	2061	750	29	1191	29	-0.40
D.SJVNL								
NJPC (6*250)	1500	1615	1615	0	6.05	252	6.00	0.05
Rampur HEP (6*68.67)	412	442	442	0	1.72	72	1.67	0.05
Sub Total (D)	1912	2057	2057	0	7.77	324	7.67	0.10
E. THDC								
Tehri HPS (4*250)	1000	940	947	0	5.58	232	5.52	0.06
Koteshwar HPS (4*100)	400	104	197	70	2.49	104	2.49	0.01
Sub Total (E)	1400	1044	1144	70	8.07	336	8.01	0.07
F. BBMB								
Bhakra HPS (2*108+3*126+5*157)	1379	480	1018	398	12.08	503	11.52	0.56
Dehar HPS (6*165)	990	188	495	0	4.59	191	4.69	-0.

	Rajpura (2*700)	1400	660	660	17.30	721
	Talwandi Saboo (3*660)	1980	616	924	19.76	823
	Thermal (Total)	6560	1276	1584	36.69	1529
	Total Hydro	1000	351	185	6.44	268
	Wind Power	0	0	0	0.00	0
	Biomass	288	0	0	0.25	10
	Solar	560	0	0	0.02	1
	Renewable(Total)	848	0	0	0.27	11
	Total Punjab	8408	1627	1769	43.40	1808
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	777	762	17.85	744
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	737	10.11	421
	Thermal (Total)	4497	777	1499	27.96	1165
	Total Hydro	62	8	11	0.31	13
	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	785	1510	28.27	1178
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	90	972	7.70	321
	suratgarh TPS (6*250)	1500	193	183	4.70	196
	Chabra TPS (4*250)	1000	414	772	15.20	633
	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	162	159	4.10	171
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.40	183
	Barsingar (NLC) (2*125)	250	225	204	4.80	200
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	505	506	12.80	533
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	414	830	15.10	629
	Kawai(Adani) (2*660)	1320	801	816	20.40	850
	Thermal (Total)	8876	2994	4632	89.20	3717
	Total Hydro	550	201	192	4.90	204
	Wind power	4017	216	311	6.30	263
	Biomass	99	7	7	0.16	7
	Solar	1295	0	0	-2.03	-85
	Renewable/Others (Total)	5411	223	318	4.43	184
	Total Rajasthan	14837	3418	5142	98.53	4105
UP	Anpara TPS (3*210+2*500)	1630	1237	952	27.30	1138
	Obra TPS (2*50+2*94+5*200)	1194	594	569	14.60	608
	Paricha TPS (2*110+2*220+2*250)	1160	133	133	3.40	142
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaqanj TPS (1*60+1*105+2*250)	665	408	410	10.70	446
	Tanda TPS (NTPC) (4*110)	440	343	280	7.66	319
	Roza TPS (IPP) (4*300)	1200	744	752	19.90	829
	Anpara-C (IPP) (2*600)	1200	1062	639	22.50	938
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	654	601	13.70	571
	Lalitpur TPS(3*660)	1980	0	742	20.40	850
	Bara(2*660)	1320	524	383	11.20	467
	Thermal (Total)	12449	5699	5461	151.36	6307
	Vishnuparyag HPS (IPP)(4*110)	440	68	68	1.60	67
	Alakanada(4*82.5)	330	77	0	1.00	42
	Other Hydro	527	113	136	4.00	167
	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	6807	6515	178.36	7432	
Uttarakhand	Other Hydro	1250	499	232	8.51	354
	Total Gas	225	97	99	2.31	96
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.01	1
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.01	1
	Total Uttarakhand	1802	596	331	10.83	451
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	39	37	0.79	33
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	-0.04	-2
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.09	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	2917	289	317	6.82	284
	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	289	317	6.82	284
	HP	Baspa HPS (IPP) (3*100)	300	40	30	0.92
Malana HPS (IPP) (2*43)		86	0	0	0.16	7
Other Hydro		372	120	25	2.06	86
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	91	61	1.78	74
Renewable(Total)		486	91	61	1.78	74
Total HP		1244	251	116	4.93	205
J & K		Baqilhar HPS (IPP) (3*150+3*150)	900	144	142	3.44
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	39	1.33	55
	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	238	181	5	199

Total State Control Area Generation	50078	14011	15881	375.91	15663
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]		4137	4443	125.26	5219
Total Regional Availability(Gross)	75315	32576	27224	706.59	29441

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8597	1218	70.81	2950
State Control Area Hydro	7163	1903	1220	36.45	1616
Total Regional Hydro	19397	10500	2438	107.26	4566

V. Total Renewable Generation:

Regional Entities Renewable	30	0	0	0.05	2
State Control Area Renewable	7356	314	379	6.50	271
Total Regional Renewable	7386	314	379	6.54	273

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)	-500	-500	0	500	0.00	12.02	-12.02
765 KV Gwalior-Agra (D/C)	1439	1618	2428	0	46.74	0.00	46.74
400 KV Zerda-Kankroli	26	-256	52	337	0.00	2.82	-2.82
400 KV Zerda-Bhimnal	26	-256	52	337	0.00	2.82	-2.82
220 KV Auraiya-Malanpur	9	66	0	105	0.00	1.17	-1.17
220 KV Badod-Kota/Morak	25	-128	64	148	0.00	0.80	-0.80
Mundra-Mohinderghar(HVDC Bipole)	1349	1902	2505	0.00	39.32	0.00	39.32
400 KV RAPPCC-Sujalpur	370	10	399	0	3.91	0.00	3.91
400 KV Vindhychal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	882	545	1422	0	20.78	0.00	20.78
Sub Total WR	3626	3001			110.76	19.64	91.12
400 kV Sasaram - Varanasi	204	173	208	0	4.50	0.00	4.50
400 kV Sasaram - Allahabad	36	67	76	0	1.42	0.00	1.42
400 KV MZP- GKP (D/C)	-5	259	326	5	4.68	0.00	4.68
400 KV Patna-Balia(D/C) X 2	429	577	667	0	13.00	0.00	13.00
400 KV B'Sharif-Balia (D/C)	-45	54	127	45	1.29	0.00	1.29
765 KV Gaya-Balia	152	190	277	0	5.04	0.00	5.04
765 KV Gaya-Varanasi (D/C)	119	243	494	0	7.41	0.00	7.41
220 KV Pusaali-Sahupuri	190	153	190	0	4.07	0.00	4.07
132 KV K'nasa-Sahupuri	0	0	0	40	0.48	0.51	-0.51
132 KV Son Ngr-Rihand	-30	-37	0	0	0.00	0.83	-0.83
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-270	-143	0	275	0.00	3.45	-3.45
400 KV Barh -GKP (D/C)	390	422	550	0	10.71	0.00	10.71
400 kV B'Sharif - Varanasi (D/C)	-159	-16	169	148	0.00	0.88	-0.88
Sub Total ER	1011	1942			52.59	5.68	46.43
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	700.00	0.00	12.29	-12.29
Sub Total NER	-500	-500			0.00	12.29	-12.29
Total IR Exch	4137	4443			163.35	37.61	125.26

VI(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ISGS/LT Schedule (MU)			Bilateral Schedule (MU)		Power Exchange Shdl (MU)		Wheeling (MU)	
ER	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
29.76	0.36	30.12	-1.62	-5.27	11.04	0.00	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
39.53	102.84	142.38	34.14	91.12	125.26	-5.39	-11.72	-17.11

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	-0.85

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	0.06	2.53	34.82	60.19	23.80	11.31	2.29	0.00

----- Frequency (Hz) ----->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (%)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz	Index	(Hz)	(Hz)		
50.33	23.59	49.83	7.38	50.03	0.060	0.071	0.00	0.00	39.81

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	412	22:53	400	9:31	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	22:58	401	8:08	0.0	0.0	5.0	0.0	5.0
Bareilly(PG)400kV	400	427	23:46	403	8:37	0.0	0.0	26.8	0.0	26.8
Kanpur	400	418	23:47	399	8:37	0.0	0.0	0.0	0.0	0.0
Dadri	400	433	22:58	415	6:51	2.1	2.1	82.7	14.3	84.8
Ballabgarh	400	426	1:27	409	6:50	0.0	0.0	65.1	0.0	65.1
Bawana	400	431	1:27	412	6:52	0.0	0.0	70.6	0.7	70.6
Bassi	400	429	21:58	408	5:50	0.0	0.0	59.0	0.0	59.0
Hissar	400	426	1:03	410	6:52	0.0	0.0	49.9	0.0	49.9
Moga	400	426	1:29	411	18:52	0.0	0.0	42.5	0.0	42.5
Abdullapur	400	429	0:02	412	18:38	0.0	0.0	75.8	0.0	75.8
Nalagarh	400	432	10:53	417	18:36	0.0	0.0	86.3	5.2	86.3
Kishenpur	400	421	13:26	407	19:28	0.0	0.0	0.7	0.0	0.7
Wagoora	400	420	17:20	161	17:24	20.6	41.4	0.0	0.0	20.6
Amritsar	400	428	1:27	412	18:45	0.0	0.0	53.3	0.0	53.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	425	3:38	415	7:38	0.0	0.0	52.1	0.0	52.1
Rishikesh	400	426	0:00	424	0:19	0.0	0.0	100.0	0.0	100.0

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	1:31	740	8:08	0.0	1.0	0.0	0.0	0.0
Balia	765	792	23:47	753	8:08	0.0	0.0	0.0	0.0	0.0
Moga	765	807	1:27	772	18:51	0.0	0.0	17.5	0.0	17.5

Agra	765	793	1:29	759	5:53	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	815	1:28	776	6:23	0.0	0.0	37.7	0.0	37.7
Unnao	765	780	23:45	742	8:38	0.0	0.0	0.0	0.0	0.0
Lucknow	765	801	23:46	761	8:08	0.0	0.0	0.3	0.0	0.3
Meerut	765	810	1:31	771	6:59	0.0	0.0	46.2	0.0	46.2
Jhatikara	765	812	1:28	770	6:51	0.0	0.0	28.3	0.0	28.3
Bareilly 765 kV	765	810	22:59	767	8:37	0.0	0.0	23.9	0.0	23.9
Anta	765	798	13:28	755	20:05	0.0	0.0	0.0	0.0	0.0
Phagi	765	808	23:03	756	7:28	0.0	0.0	24.4	0.0	24.4

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	482.93	527.87	496.43	960.37	250.04	366.65
Pong	426.72	384.05	405.26	352.07	406.40	379.44	119.07	240.18
Tehri	829.79	740.04	797.50	568.36	790.45	459.84	36.85	139.00
Koteshwar	612.50	598.50	609.19	4.18	610.59	4.95	139.00	164.34
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	0.00	0.00
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	502.87	1.14	495.87	0.74	39.48	65.44

* 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	-537	0	0	-610	-348	0	-18.23	-0.58	-18.81
Delhi	-130	-423	0	-310	35	0	-4.70	-2.14	-6.84
Haryana	-831	153	0	-501	184	0	-14.66	2.81	-11.85
HP	441	105	0	355	-1	0	11.87	-1.22	10.65
J&K	616	0	0	613	330	0	14.59	4.83	19.42
CHD	0	0	0	0	0	0	0.00	0.04	0.04
Rajasthan	21	379	0	-7	133	0	9.80	6.44	16.24
UP	92	0	0	-149	-100	0	-8.58	-1.85	-10.43
Uttarakhand	316	9	0	0	206	0	3.26	4.49	7.75
Total	-13	224	0	-610	439	0	-6.66	12.83	6.17

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-527	-1248	0	-362	0	0
Delhi	-53	-322	413	-496	0	0
Haryana	-501	-831	301	-176	0	0
HP	707	341	105	-672	0	0
J&K	616	597	344	0	0	0
CHD	0	0	39	-51	0	0
Rajasthan	1216	-7	390	-521	0	0
UP	133	-917	0	-100	0	0
Uttarakhand	316	0	419	9	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	0.00%
Simultaneous	0.00%

(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	15
Haryana	1	18
Rajasthan	0	12
Delhi	3	27
UP	2	24
Uttarakhand	1	13
HP	7	96
J & K	7	96
Chandigarh	3	22

XIII. System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 26.01.2017 :

XVI. Synchronisation of new generating units :

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

0

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 : 26.01.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER