पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.01.2017

Date of Reporting : 26.01.2017

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
41692	524	42217	49.98	30733	486	31219	49.99	882.21	14.91

* 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	51.03	6.42	0.21	57.66	36.75	36.00	-0.74	93.66	0.00
Haryana	47.72	0.26	0.00	47.98	67.17	67.40	0.23	115.37	0.00
Rajasthan	129.12	4.44	18.31	151.88	58.83	58.64	-0.20	210.51	1.17
Delhi	10.68		0.00	10.68	53.80	52.80	-1.00	63.49	0.00
UP	185.41	6.08	0.00	191.49	95.78	95.05	-0.74	286.54	1.73
Uttarakhand		8.55	0.00	12.74	23.60	22.25	-1.35	34.99	0.15
HP		3.73	1.24	3.73	21.57	21.01	-0.56	24.74	0.30
J & K		7.10	0.00	7.10	39.93	42.05	2.12	49.16	11.57
Chandigarh				0.00	3.91	3.76	-0.15	3.76	0.00
Total	**423.96**	**36.58**	**19.76**	**483.25**	**401.34**	**398.96**	**-2.38**	**882.21**	14.91

* Shortage furnished by the respective constituent.$ 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	4656	0	-265	-1017	3124	0	-70	-536	4820	8:00	0
Haryana	6442	0	-28	-237	3368	0	179	-492	6442	19:00	0
Rajasthan	9314	0	232	-113	7940	0	-405	346	10338	9:00	0
Delhi	3143	0	-103	-94	1471	0	-71	-711	3709	11:00	0
UP	12992	0	145	-209	10816	0	-113	112	13566	8:00	0
Uttarakhand	1779	0	108	129	1201	0	-142	343	2023	8:00	0
HP	1171	23	-66	273	777	0	8	568	1451	11:00	6
J&K	2005	501	-58	946	1945	486	225	619	2355	6:00	589
Chandigarh	190	0	-34	0	91	0	-1	0	224	8:00	0
Total	**41692**	**524**	**-69**	**-322**	**30733**	**486**	**-388**	**249**	**43094**	**8:00**	**502**

* 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 [OG:(+ve), UG: (-ve)]

	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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1890	2045	1575	42.14	1756	41.32	0.83
	Rihand I STPS (2*500)	1000	473	512	391	10.35	431	10.10	0.24
	Rihand II STPS (2*500)	1000	958	949	775	20.58	858	20.02	0.56
	Rihand III STPS (2*500)	1000	963	924	785	20.75	865	20.20	0.55
	Dadri I STPS (4*210)	840	815	223	312	6.46	269	6.74	-0.28
	Dadri II STPS (2*490)	980	980	448	367	8.68	362	9.10	-0.42
	Unchahar I TPS (2*210)	420	407	311	304	7.85	327	8.26	-0.41
	Unchahar II TPS (2*210)	420	354	152	271	6.37	265	6.82	-0.45
	Unchahar III TPS (1*210)	210	203	145	135	3.55	148	3.77	-0.23
	ISTPP (Jhajjhar) (3*500)	1500	1440	0	0	0.00	0	0.28	-0.28
	Dadri GPS (4*130.19+2*154.51)	830	835	187	152	3.79	158	4.01	-0.21
	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	643	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	0.04	2	0.04	0.01
	Singrauli Solar(15)	15	2	0	0	0.06	2	0.05	0.00
	KHEP(4*200)	800	872	871	642	2.77	115	2.62	0.15
	Sub Total (A)	**12112**	**11255**	**6767**	**5709**	**133**	**5558**	**133**	**0.06**
B. NPC	NAPS (2*220)	440	414	441	453	9.81	409	9.94	-0.13
	RAPS- B (2*220)	440	400	446	447	9.60	400	9.60	0.00
	RAPS- C (2*220)	440	380	447	417	9.35	390	9.12	0.23
	Sub Total (B)	**1320**	**1194**	**1334**	**1317**	**28.75**	**1198**	**28.66**	**0.10**
C. NHPC	Chamera I HPS (3*180)	540	540	525	0	1.74	73	1.62	0.12
	Chamera II HPS (3*100)	300	301	310	0	1.14	47	1.00	0.14
	Chamera III HPS (3*77)	231	154	152	0	0.49	20	0.46	0.03
	Bairasuil HPS(3*60)	180	120	124	0	1.62	67	1.29	0.33
	Salal-HPS (6*115)	690	232	436	145	6.62	276	5.58	1.05
	Tanakpur-HPS (3*31.4)	94	18	32	21	0.54	22	0.43	0.10
	Uri-I HPS (4*120)	480	123	232	72	3.22	134	2.94	0.28
	Uri-II HPS (4*60)	240	90	121	80	2.20	92	2.16	0.05
	Dhauliganga-HPS (4*70)	280	140	133	0	0.80	33	0.74	0.06
	Dulhasti-HPS (3*130)	390	257	263	0	4.18	174	4.00	0.18
	Sewa-II HPS (3*40)	120	119	124	0	0.96	40	0.89	0.07
	Parbati 3 (4*130)	520	130	0	0	0.00	0	0.29	-0.29
	Sub Total (C)	**4065**	**2225**	**2453**	**319**	**24**	**979**	**21**	**2.12**
D.SJVNL	NJPC (6*250)	1500	1615	1573	0	5.72	238	5.85	-0.13
	Rampur HEP (6*68.67)	412	442	443	0	1.58	66	1.62	-0.04
	Sub Total (D)	**1912**	**2057**	**2016**	**0**	**7.30**	**304**	**7.47**	**-0.17**
E. THDC	Tehri HPS (4*250)	1000	940	887	0	8.75	365	8.70	0.05
	Koteshwar HPS (4*100)	400	133	401	70	3.27	136	3.20	0.07
	Sub Total (E)	**1400**	**1073**	**1288**	**70**	**12.02**	**501**	**11.90**	**0.12**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	511	1014	398	12.81	534	12.26	0.56
	Dehar HPS (6*165)	990	122	330	0	2.97	124	3.02	-0.05
	Pong HPS (6*66)	396	169	330	0	3.98	166	4.08	-0.10
	Sub Total (F)	**2765**	**802**	**1674**	**398**	**19.76**	**824**	**19.36**	**0.40**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	58	0	0.37	15	0.36	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.21	134	3.72	-0.50
	Malana Stg-II HPS (2*50)	100	0	0	0	0.18	8	0.17	0.01
	Shree Cement TPS (2*150)	300	0	296	153	5.92	246	5.94	-0.03
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.15	-0.01
	Sub Total (G)	**1662**	**0**	**984**	**153**	**9.82**	**409**	**10.34**	**-0.52**
H. Total Regional Entities (A-G)		**25237**	**18606**	**16515**	**7966**	**234.56**	**9774**	**232.46**	**2.11**

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	-0.13	-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	184	387	5.95	248
	Goindwal(GVK) (2*270)	540	0	0	-0.03	-1
	Rajpura (2*700)	1400	720	660	22.04	918
	Talwandi Saboo (3*660)	1980	924	924	23.21	967
	Thermal (Total)	**6560**	**1828**	**1971**	51.03	**2126**
	Total Hydro	1000	430	210	6.42	268
	Wind Power	0	0	0	0.00	0
	Biomass	288	8	8	0.18	8
	Solar	560	0	0	0.03	1
	Renewable(Total)	**848**	**8**	**8**	**0.21**	**9**
	Total Punjab	**8408**	**2266**	**2189**	**57.66**	**2402**
Haryana	Panipat TPS (2*210+2*250)	920	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	232	229	5.17	216
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1156	762	21.87	911
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1190	740	20.67	861
	Thermal (Total)	**4497**	**2578**	**1731**	**47.72**	**1988**
	Total Hydro	62	4	8	0.26	11
	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**	**2582**	**1739**	**47.98**	**1999**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	973	959	24.83	1035
	suratgarh TPS (6*250)	1500	180	185	4.67	195
	Chabra TPS (4*250)	1000	903	813	20.58	858
	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	150	4.06	169
	RAPS A (NPC) (1*100+1*200)	300	190	190	4.50	187
	Barsingsar (NLC) (2*125)	250	226	214	5.23	218
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	838	443	16.86	703
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1138	830	22.99	958
	Kawai(Adani) (2*660)	1320	1188	816	25.40	1058
	Thermal (Total)	**8876**	**5792**	**4600**	**129.12**	**5380**
	Total Hydro	550	193	112	4.44	185
	Wind power	4017	341	1250	18.15	756
	Biomass	99	7	7	0.16	7
	Solar	1295	0	0	0.00	0
	Renewable/Others (Total)	5411	348	1257	18.31	763
	Total Rajasthan	**14837**	**6333**	**5969**	**151.88**	**6328**
UP	Anpara TPS (3*210+2*500)	1630	1218	947	28.15	1173
	Obra TPS (2*50+2*94+5*200)	1194	666	563	14.67	611
	Paricha TPS (2*110+2*220+2*250)	1160	135	133	3.42	143
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	421	406	10.53	439
	Tanda TPS (NTPC) (4*110)	440	368	290	8.24	343
	Roza TPS (IPP) (4*300)	1200	748	747	19.62	817
	Anpara-C (IPP) (2*600)	1200	1076	648	23.37	974
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	1000	808	593	17.86	744
	Lalitpur TPS(3*660)	1980	730	728	19.94	831
	Bara(2*660)	1320	567	719	19.21	800
	Thermal (Total)	**12449**	**6737**	**5774**	**165.01**	**6875**
	Vishnuparyag HPS (IPP)(4*110)	440	73	68	1.68	70
	Alaknanada(4*82.5)	330	76	0	1.08	45
	Other Hydro	527	142	142	3.32	138
	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**	**7878**	**6834**	**191.49**	**7979**
Uttarakhand	Other Hydro	1250	433	312	8.55	356
	Total Gas	225	94	254	4.16	173
	Wind Power	0	0	0	0.00	0
	Biomass	127	0	0	0.00	0
	Solar	20	0	0	0.03	1
	Small Hydro (< 25 MW)	180	0	0	0.00	0
	Renewable(Total)	327	0	0	0.03	1
	Total Uttarakhand	1802	527	566	12.74	531
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	32	34	0.87	36
	Pragati Gas Turbine (2x104+ 1x122)	330	155	160	3.80	159
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	280	6.01	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	0	0	0.00	0
	Thermal (Total)	**2917**	**437**	**474**	**10.68**	**445**
	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**	**437**	**474**	**10.68**	**445**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.77	32
	Malana HPS (IPP) (2*43)	86	0	0	0.17	7
	Other Hydro	372	51	8	1.55	65
	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	55	46	1.24	52
	Renewable(Total)	**486**	**55**	**46**	**1.24**	**52**
	Total HP	**1244**	**106**	**54**	**3.73**	**155**

J & K	Baglihar HPS (IPP) (3*150+3*150)	900	142	110	2.89	120
	Other Hydro/IPP(including 98 MW Small Hydro)	308	94	39	4.22	176
	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**	**236**	**149**	**7**	**296**
Total State Control Area Generation		**50078**	**20364**	**17973**	**483.25**	**20135**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6639.9**	**5693.5**	**179.56**	**7482**
Total Regional Availability(Gross)		**75315**	**43519**	**31632**	**897.38**	**37391**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8989**	**1429**	**69.12**	**2880**
State Control Area Hydro	**7163**	**1787**	**1309**	**36.58**	**1699**
Total Regional Hydro	**19397**	**10776**	**2737**	**105.70**	**4579**

V. Total Renewable Generation:

Regional Entities Renewable	**30**	**0**	**0**	**0.12**	**5**
State Control Area Renewable	**7356**	**411**	**1310**	**19.79**	**825**
Total Regional Renewable	**7386**	**411**	**1310**	**19.91**	**829**

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	-500	50	500	0.51	5.56	-5.05
765 KV Gwalior-Agra (D/C)	2221	1938	2749	0	58.48	0.00	58.48
400 KV Zerda-Kankroli	-108	-301	0	394	0.00	3.94	-3.94
400 KV Zerda-Bhinmal	-7	-244	86	271	0.00	1.57	-1.57
220 KV Auraiya-Malanpur	-70	-58	0	82	0.00	1.13	-1.13
220 KV Badod-Kota/Morak	-60	-91	1	74	0.00	1.57	-1.57
Mundra-Mohindergarh(HVDC Bipole)	2502	2502	2506	0.00	60.44	0.00	60.44
400 KV RAPPC-Sujalpur	159	10	247	20	3.19	0.00	3.19
400 KV Vindhyachal-Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	807	820	1320	0	25.99	0.00	25.99
Sub Total WR	**5494**	**4077**			**148.60**	**13.77**	**134.84**
400 kV Sasaram - Varanasi	0	192	211	0	4.06	0.00	4.06
400 kV Sasaram - Allahabad	41	51	250	0	3.10	0.00	3.10
400 KV MZP- GKP (D/C)	81	252	433	81	5.02	0.00	5.02
400 KV Patna-Balia(D/C) X 2	534	565	671	0	14.23	0.00	14.23
400 KV B'Sharif-Balia (D/C)	-40	67	171	56	1.68	0.00	1.68
765 KV Gaya-Balia	223	242	360	0	6.50	0.00	6.50
765 KV Gaya-Varanasi (D/C)	294	330	546	0	9.79	0.00	9.79
220 KV Pusauli-Sahupuri	102	100	198	0	3.22	0.00	3.22
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.51	-0.51
132 KV Son Ngr-Rihand	-18	-36	0	0	0.00	-0.81	0.81
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-226	-118	86	238	0.00	1.89	-1.89
400 KV Barh -GKP (D/C)	520	438	564	0	11.60	0.00	11.60
400 kV B'Sharif - Varanasi (D/C)	135	34	60	163	0.00	0.77	-0.77
Sub Total ER	**1646**	**2117**			**59.67**	**2.36**	**56.83**
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500.00	0.00	12.10	-12.10
Sub Total NER	**-500**	**-500**			**0.00**	**12.10**	**-12.10**
Total IR Exch	**6640**	**5694**			**208.27**	**28.23**	**179.56**

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**
40.23	0.36	40.58	-2.08	-6.47	12.78	0.00	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	**Through WR Incld s Mndra**	**Total**	**Through ER(including NER)**	**Through WR**	**Total**	**Through ER (including NER)**	**Through WR**	**Total**
51.28	136.01	187.29	44.72	134.84	179.56	-6.55	-1.17	-7.73

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	-36	-35	0	40	0	1	-0.88

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	6.27	60.26	78.29	12.89	2.59	0.00	0.00

<---------- Frequency (Hz) ---------->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	**Time**	**Freq**	**Time**	**Hz**			(Hz)	(Hz)	
50.18	6.02	49.79	21.07	49.99	0.037	0.059	50.10	49.89	21.71

VIII(A). Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	412	4:01	400	11:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	3:01	401	17:39	0.0	0.0	11.7	0.0	11.7
Bareilly(PG)400kV	400	422	3:05	401	6:50	0.0	0.0	5.7	0.0	5.7
Kanpur	400	421	4:01	400	6:34	0.0	0.0	0.1	0.0	0.1
Dadri	400	428	3:18	407	6:47	0.0	0.0	27.5	0.0	27.5
Ballabhgarh	400	426	4:00	401	6:31	0.0	0.0	23.1	0.0	23.1
Bawana	400	429	3:24	407	6:55	0.0	0.0	33.3	0.0	33.3
Bassi	400	426	4:01	396	6:24	0.0	0.0	10.7	0.0	10.7
Hissar	400	424	4:00	403	6:50	0.0	0.0	18.9	0.0	18.9
Moga	400	423	4:01	409	6:57	0.0	0.0	17.8	0.0	17.8
Abdullapur	400	429	23:02	413	18:40	0.0	0.0	38.4	0.0	38.4

Nalagarh	400	434	13:07	414	6:55	0.0	0.0	76.6	2.5	76.6
Kishenpur	400	424	13:04	408	18:39	0.0	0.0	5.2	0.0	5.2
Wagoora	400	410	3:52	387	18:41	0.0	9.5	0.0	0.0	0.0
Amritsar	400	429	13:03	411	6:55	0.0	0.0	40.3	0.0	40.3
Kashipur	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	425	20:30	413	6:16	0.0	0.0	65.9	0.0	65.9
Rishikesh	400	425	23:44	398	6:55	0.0	0.0	22.2	0.0	22.2

VIII(B). Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	778	1:00	739	6:32	0.0	1.5	0.0	0.0	0.0
Balia	765	793	3:02	751	17:39	0.0	0.0	0.0	0.0	0.0
Moga	765	803	19:45	773	6:49	0.0	0.0	2.3	0.0	2.3
Agra	765	792	1:12	754	6:50	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	810	3:24	776	6:30	0.0	0.0	27.3	0.0	27.3
Unnao	765	780	3:24	738	15:47	0.0	7.9	0.0	0.0	0.0
Lucknow	765	807	4:00	762	15:47	0.0	0.0	18.4	0.0	18.4
Meerut	765	810	19:44	758	6:54	35.7	35.7	9.3	0.0	45.1
Jhatikara	765	810	3:25	769	6:34	0.0	0.0	23.9	0.0	23.9
Bareilly 765 kV	765	806	3:26	766	15:54	0.0	0.0	15.7	0.0	15.7
Anta	765	789	3:24	763	6:18	0.0	0.0	0.0	0.0	0.0
Phagi	765	802	3:26	765	6:21	0.0	0.0	3.8	0.0	3.8

Note : "0" in Max / Min Col -> Telemetry Outage

IX. Reservior Parameters:

Name of Reservior	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	483.03	536.06	496.61	960.37	154.24	394.57
Pong	426.72	384.05	405.33	352.07	406.61	388.64	47.18	280.73
Tehri	829.79	740.04	797.70	517.62	790.90	466.62	36.39	217.00
Koteshwar	612.50	598.50	610.25	4.95	610.70	4.95	217.00	215.25
Chamera-I	760.00	748.75	759.04	0.00	0.00	0.00	61.97	47.02
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	502.66	1.40	495.94	0.25	41.56	74.35

*** 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	1	0	-610	-407	0	-18.23	-1.40	-19.63
Delhi	-118	-594	0	-298	204	0	-4.42	1.22	-3.20
Haryana	-834	342	0	-504	267	0	-14.74	6.97	-7.77
HP	466	102	0	355	-82	0	12.00	-1.31	10.69
J&K	619	0	0	616	330	0	14.67	4.64	19.31
CHD	0	0	0	0	0	0	0.00	0.26	0.26
Rajasthan	29	316	0	-7	-106	0	8.72	2.39	11.11
UP	112	0	0	-109	-100	0	-7.48	-2.10	-9.58
Uttarakhand	316	28	0	0	129	0	2.51	4.78	7.28
Total	**53**	**196**	**0**	**-557**	**235**	**0**	**-6.97**	**15.45**	**8.47**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-527	-1248	197	-814	0	0
Delhi	-41	-310	737	-636	0	0
Haryana	-504	-834	343	-39	0	0
HP	707	300	102	-700	0	0
J&K	619	601	330	-15	0	0
CHD	0	0	49	-36	0	0
Rajasthan	1008	-7	316	-460	0	0
UP	162	-864	0	-100	0	0
Uttarakhand	316	0	451	14	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	**6.60%**
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%**

XII. Zero Crossing Violations

State	No. of violations(Maximum 8 in a day)	Maximum number of continuous blocks without sign change
Punjab	2	21
Haryana	2	19
Rajasthan	0	7

Delhi	3	36
UP	0	9
Uttarakhand	2	30
HP	1	11
J & K	5	49
Chandigarh	4	27

XIII.System Constraints:

XIV. Grid Disturbance / Any Other Significant Event:

XV. Weather Conditions For 25.01.2017 :

XVI. Synchronisation of new generating units :

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

HVDC Champa-Kurukshetra Pole I de blocked (First time) at 18:16 Hrs (with Powerflow 150 MW) and tripped at 19:18 Hrs due to LA flash over at Champa end.

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 : 25.01.2017

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER