पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 17.01.2016
Date of Reporting : 18.01.2016

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
37637	2475	40112	50.03	30618	311	30930	50.13	820.9	47.59

* 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	Actual Drawal	UI	Consumption	Shortages *
	Thermal	Hydro	Renewable/others $	Total	(Net MU)	(Net MU)	(Net MU)	(Net MU)	(MU)
Punjab	47.08	7.86		54.94	36.80	37.27	0.48	92.21	0.00
Haryana	48.21	0.36		48.58	65.36	63.26	-2.10	111.83	0.00
Rajasthan	133.74	3.95	3.95	141.63	65.91	68.26	2.35	209.89	13.10
Delhi	13.85			13.85	47.46	46.85	-0.61	60.70	0.09
UP	144.09	3.97		148.06	93.45	91.80	-1.65	239.86	22.12
Uttarakhand		9.91		9.91	24.18	24.81	0.63	34.72	0.47
HP		3.40		3.40	19.33	19.95	0.62	23.35	1.26
J & K		5.45	0.00	5.45	38.56	39.37	0.81	44.82	10.55
Chandigarh				0.00	3.52	3.49	0.27	3.49	0.00
Total	**386.97**	**34.91**	**3.95**	**425.83**	**394.56**	**395.05**	**0.79**	**820.88**	**47.59**

* 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				# Max(hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	3787	0	-27	-879	3093	0	-31	-447	5131
Haryana	5890	0	-350	-648	3627	0	25	-875	5890
Rajasthan	9668	625	104	426	8360	0	-99	660	9699
Delhi	2930	0	-232	-723	1598	0	27	-1532	3598
UP	10554	1280	-471	-8	10029	0	37	114	10660
Uttarakhand	1701	40	-113	568	1246	0	77	542	1882
HP	1069	66	-250	27	808	0	39	393	1334
J&K	1855	464	-190	837	1764	311	16	709	2008
Chandigarh	184	0	-30	0	94	0	6	-31	205
Total	**37637**	**2475**	**-1559**	**-400**	**30618**	**311**	**98**	**-466**	**37925**

* 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	1870	2019	1971	41.85	1744	44.38	-2.53
	Rihand I STPS (2*500)	1000	870	862	659	18.43	768	18.10	0.32
	Rihand II STPS (2*500)	1000	962	1046	672	20.86	869	20.38	0.47
	Rihand III STPS (2*500)	1000	968	1014	851	21.14	881	21.03	0.11
	Dadri I STPS (4*210)	840	815	623	667	14.17	590	14.57	-0.40
	Dadri II STPS (2*490)	980	980	719	716	17.15	715	17.50	-0.35
	Unchahar I TPS (2*210)	420	406	350	321	7.80	325	8.01	-0.22
	Unchahar II TPS (2*210)	420	404	335	315	7.61	317	7.74	-0.13
	Unchahar III TPS (1*220)	210	202	174	156	3.82	159	3.85	-0.03
	ISTPP (Jhajjhar) (3*500)	1500	1450	1216	933	23.39	975	23.57	-0.18
	Dadri GPS (4*130.19+2*154.51)	830	813	247	236	5.62	234	5.80	-0.17
	Anta GPS (3*88.71+1*153.2)	419	415	277	253	6.35	265	6.42	-0.07
	Auraiya GPS (4*111.19+2*109.30)	663	653	207	206	4.83	201	4.87	-0.04
	Dadri Solar	5	1	0	0	0.01	1	0.01	0.00
	Unchahar Solar	10	0	0	0	0.00	0	0.01	-0.01
	Singrauli Solar	15	1	0	0	0.02	1	0.03	-0.01
	KHEP	800	870	0	0	2.62	109	2.61	0.01
	Sub Total (A)	**12112**	**11681**	**9089**	**7956**	**196**	**8152**	**199**	**-3**
B. NPC	NAPS (2*220)	440	413	449	451	9.92	413	9.91	0.00
	RAPS- B (2*220)	440	402	447	451	9.73	405	9.65	0.08
	RAPS- C (2*220)	440	420	453	457	9.93	414	10.08	-0.15
	Sub Total (B)	**1320**	**1235**	**1349**	**1359**	**29.58**	**1232**	**29.64**	**-0.06**
C. NHPC	Chamera I HPS (3*180)	540	540	433	0	1.86	78	1.58	0.29
	Chamera II HPS (3*100)	300	300	304	0	1.13	47	0.90	0.23
	Chamera III HPS (3*77)	231	229	154	0	0.69	29	0.60	0.09
	Bairasuil HPS(3*60)	180	124	125	0	0.48	20	0.45	0.03
	Salal-HPS (6*115)	690	103	230	128	2.94	123	2.48	0.46
	Tanakpur-HPS (3*40)	94	17	31	15	0.50	21	0.41	0.09
	Uri-I HPS (4*120)	480	185	155	141	4.61	192	4.45	0.16
	Uri-II HPS (4*60)	240	112	0	0	0.00	0	2.68	-2.68
	Dhauliganga-HPS (4*70)	280	140	142	0	0.85	35	0.77	0.08
	Dulhasti-HPS (3*130)	390	258	272	0	2.60	108	2.40	0.20
	Sewa-II HPS (3*40)	120	119	126	0	0.37	15	0.36	0.01
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	Sub Total (C)	**4065**	**2127**	**1973**	**284**	**17**	**702**	**17**	**0**
D.SJVNL	NJPC (6*250)	1500	1605	1314	0	6.66	278	6.35	0.31
	Rampur HEP (6*68.67)	412	344	291	0	1.83	76	1.71	0.12
	Sub Total (D)	**1912**	**1949**	**1605**	**0**	**8.49**	**354**	**8.06**	**0.43**
E. THDC	Tehri HPS (4*250)	1000	912	898	0	8.21	342	7.90	0.31
	Koteshwar HPS (4*100)	400	124	202	90	3.02	126	2.98	0.04
	Sub Total (E)	**1400**	**1036**	**1100**	**90**	**11.23**	**468**	**10.88**	**0.35**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	547	1021	347	13.29	554	13.12	0.17
	Dehar HPS (6*165)	990	120	495	0	2.92	122	2.88	0.04
	Pong HPS (6*66)	396	264	384	66	6.36	265	6.34	0.02
	Sub Total (F)	**2765**	**931**	**1900**	**413**	**22.57**	**940**	**22.34**	**0.23**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.45	19	0.43	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250	1000	0	630	0	3.73	156	3.72	0.01
	Malana Stg-II HPS (2*50)	100	0	0	0	0.18	8	0.17	0.01
	Shree Cement TPS (2*150)	300	0	300	298	7.13	297	7.18	-0.05
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	965	298	11.63	485	11.65	-0.01
H. Total Regional Entities (A-G)		**25237**	**18959**	**17981**	**10399**	**296.00**	**12333**	**298.53**	**-2.53**

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	160	160	3.57	149
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.22	92
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	717	702	22.39	933
	Talwandi Saboo (2*660)	1320	689	676	18.91	788
	Thermal (Total)	**5360**	**1666**	**1638**	**47.08**	**1962**
	Total Hydro	1000	245	183	7.86	327
	Total Punjab	**6360**	**1911**	**1821**	**54.94**	**2289**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	235	224	5.36	223
	DCRTPP (Yamuna nagar) (2*300)	600	565	456	11.58	483
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	882	822	19.89	829
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	546	377	11.39	474
	Thermal (Total)	**4944**	**2228**	**1879**	**48.21**	**2009**
	Total Hydro	62	11	9	0.36	15
	Total Haryana	**5006**	**2239**	**1888**	**48.58**	**2024**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1147	1129	27.41	1142
	suratgarh TPS (6*250)	1500	1147	1127	26.58	1107
	Chabra TPS (4*250)	1000	661	394	13.40	558
	Dholpur GPS (3*110)	330	96	97	2.30	96
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	121	181	3.95	165
	RAPS A (NPC) (1*100+1*200)	300	163	165	4.06	169
	Barsingsar (NLC) (2*125)	250	93	178	3.30	137
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	722	674	17.15	715
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1009	827	21.06	878
	Kawai(Adani) (2*660)	1320	613	617	14.53	605
	Thermal (Total)	**8876**	**5772**	**5389**	**134**	**5572**
	Total Hydro	550	213	159	3.95	165
	Wind power	3214	57	75	3.15	131
	Biomass	99	21	21	0.49	21
	Solar	730	6	0	0.31	13
	Renewable/Others (Total)	4043	84	96	3.95	165
	Total Rajasthan	**13469**	**6069**	**5644**	**141.63**	**5901**
UP	Anpara TPS (3*210+2*500)	1630	1361	1211	29.90	1246
	Obra TPS (2*50+2*94+5*200)	1194	473	452	11.09	462
	Paricha TPS (2*110+2*220+2*250)	1140	666	665	16.56	690
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	534	529	12.81	534
	Tanda TPS (NTPC) (4*110)	440	385	390	9.27	386
	Roza TPS (IPP) (4*300)	1200	385	554	12.67	528
	Anpara-C (IPP) (2*600)	1200	1080	1076	25.90	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(2*660)	1320	0	0	0.00	0
	Bara(2*660)	1320	337	212	6.70	279
	Thermal (Total)	**11269**	**5221**	**5089**	**125**	**5204**
	Vishnuparyag HPS (IPP)(4*110)	440	70	70	1.68	70
	Alaknanada(4*82.5)	330	0	0	1.07	45
	Other Hydro	527	63	20	1.22	51
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**6154**	**5979**	**148**	**6169**
Uttarakhand	Total Hydro	1398	644	376	9.91	413
	Total Uttarakhand	**1398**	**644**	**376**	**9.91**	**413**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	35	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	139	139	3.37	140
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	253	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	163	164	3.55	148
	Thermal (Total)	2917	590	590	13.85	577
	Total Delhi	**2917**	**590**	**590**	**13.85**	**577**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.90	37
	Malana HPS (IPP) (2*43)	86	0	0	0.19	8
	Other Hydro	878	124	61	2.31	96
	Total HP	**1264**	**124**	**61**	**3.40**	**142**
J & K	Baglihar HPS (IPP) (3*150)	450	142	142	3.41	142
	Other Hydro/IPP	560	110	72	2.04	85
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**252**	**214**	**5.45**	227
Total State Control Area Generation		**45161**	**17983**	**16573**	**425.83**	**17743**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**4456.67**	**5567.21**	**119.02**	**4959**
Total Regional Availability(Gross)		**70398**	**40421**	**32540**	**840.86**	**35036**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**7208**	**787**	**66.12**	**2755**
State Control Area Hydro	**6581**	**1622**	**1092**	**35**	**1454**
Total Regional Hydro	**18815**	**8830**	**1879**	**101.02**	**4209**

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	300	-500	300	500	1.13	6.04	-4.91
765 KV Gwalior-Agra (D/C)	1200	2180	2329	0	44.44	0.00	44.44
400 KV Zerda-Kankroli	-236	-112	0	299	0.00	3.55	-3.55
400 KV Zerda-Bhinmal	38	41	97	157	0.00	0.30	-0.30
220 KV Auraiya-Malanpur	119	92	0	129	0.00	2.03	-2.03
220 KV Badod-Kota/Morak	-107	-124	0	178	0.00	2.81	-2.81
Mundra-Mohindergarh(HVDC Bipole)	2503	1802	2506	0	53.62	0.00	53.62
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	606	1003	1137	0	19.81	0.00	19.81
Sub Total WR	**4423**	**4382**			**119.00**	**14.72**	**104.28**
Pusauli Bypass/HVDC	400	400	400	0	8.35	0.00	8.35
400 KV MZP- GKP (D/C)	-880	-476	0	990	0.00	15.56	-15.56
400 KV Patna-Balia(D/C) X 2	183	353	393	0	7.27	0.00	7.27
400 KV B'Sharif-Balia (D/C)	-405	-198	0	430	0.00	6.25	-6.25
765 KV Gaya-Balia	204	107	232	4	1.54	0.00	1.54
765 KV Gaya-Fatehpur	0	-19	37	47	0.00	0.22	-0.22
220 KV Pusauli-Sahupuri	139	145	184	0	3.67	0.00	3.67
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-28	-27	0	30	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-415	-290	0	415	0.00	6.81	-6.81
400 KV Barh -GKP (D/C)	336	440	488	0	8.91	0.00	8.91
Sub Total ER	**-466**	**435**			**30.21**	**29.42**	**0.79**
+/- 800 KV BiswanathCharialli-Agra	500	750	750	0	13.96	0.00	13.96
Sub Total NER	**500**	**750**			**13.96**	**0.00**	**13.96**
Total IR Exch	**4457**	**5567**			**163.17**	**44.14**	**119.02**

V(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
32.64	0.22	32.86	-3.88	-13.17	-0.81	0.00	4.93	-4.93

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
33.09	87.74	120.83	14.75	104.28	119.02	-18.34	16.54	-1.80

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-30	-31	0	33	0	1	-0.72

VI. 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	0.10	8.90	54.22	72.47	14.14	4.42	0.12	NA

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.21	17.02	49.78	19.51	49.99	0.045	0.067	50.10	49.87	27.53

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	405	01:04	396	06:04	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	21:55	398	07:15	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	02:03	380	07:23	0.0	0.0	0.0	0.0	0.0
Kanpur	400	411	23:47	398	07:31	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	02:01	401	11:15	0.0	0.0	21.5	0.0	21.5
Ballabhgarh	400	411	00:00	411	00:00	0.0	0.0	0.0	0.0	0.0
Bawana	400	428	02:40	407	11:06	0.0	0.0	33.5	0.0	33.5
Bassi	400	422	20:41	380	07:48	0.0	1.7	0.7	0.0	0.7
Hissar	400	422	21:41	400	07:48	0.0	0.0	2.0	0.0	2.0
Moga	400	423	21:21	403	07:48	0.0	0.0	6.0	0.0	6.0
Abdullapur	400	427	02:03	408	06:48	0.0	0.0	21.0	0.0	21.0
Nalagarh	400	437	02:41	413	09:22	0.0	0.0	75.5	24.3	75.5
Kishenpur	400	422	03:03	398	07:48	0.0	0.0	3.5	0.0	3.5
Wagoora	400	398	13:02	371	18:22	23.6	80.6	0.0	0.0	23.6
Amritsar	400	431	20:42	410	07:48	0.0	0.0	61.7	0.0	61.7
Kashipur	400	420	19:37	412	17:52	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	427	03:03	404	07:47	0.0	0.0	27.9	0.0	27.9
Rishikesh	400	416	20:02	397	17:54	0.0	0.0	0.0	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	778	21:45	733	07:31	0.0	8.7	0.0	0.0	0.0
Balia	765	770	21:55	735	11:09	0.0	10.6	0.0	0.0	0.0
Moga	765	805	20:43	758	07:48	0.0	0.0	2.7	0.0	2.7
Agra	765	794	23:33	742	07:31	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	21:46	757	07:44	0.0	0.0	12.1	0.0	12.1
Unnao	765	772	02:03	733	11:18	0.0	5.8	0.0	0.0	0.0
Lucknow	765	787	21:55	745	11:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	811	21:22	765	07:48	0.0	0.0	22.6	0.0	22.6
Jhatikara	765	806	02:40	762	07:47	0.0	0.0	15.4	0.0	15.4
Bareilly 765 kV	765	790	21:55	741	11:18	0.0	0.1	0.0	0.0	0.0
Anta	765	783	12:27	750	07:40	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	12:31	718	07:49	1.1	1.8	0.0	0.0	1.1

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	498.06	1018.16	494.65	891.94	163.22	400.54
Pong	426.72	384.05	408.19	435.19	403.15	296.79	52.47	426.54
Tehri	829.79	740.04	794.70	524.45	803.75	680.19	57.89	221.00
Koteshwar	612.50	598.50	611.40	5.20	609.03	4.10	221.00	198.68
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	1138.63	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	496.18	1.94	503.77	2.72	69.95	156.59

*** 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	-452	5	0	-909	31	0	-16.08	0.33	-15.76
Delhi	-840	-689	-2	-524	-197	-2	-13.77	-7.90	-21.67
Haryana	-541	-334	0	-746	98	0	-17.15	-1.30	-18.45
HP	102	291	0	164	-137	0	7.90	-0.90	7.00
J&K	723	-14	0	740	97	0	16.60	-0.11	16.49
CHD	-31	0	0	0	0	0	-0.24	-0.04	-0.28
Rajasthan	-7	665	2	-7	431	2	0.78	8.99	9.77
UP	114	0	0	-8	0	0	-3.65	0.00	-3.65
Uttarakhand	385	157	0	385	183	0	9.36	5.61	14.97
Total	**-547**	**81**	**0**	**-905**	**505**	**0**	**-16.27**	**4.68**	**-11.59**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-452	-909	65	0	0	0
Delhi	-281	-870	110	-713	-2	-2
Haryana	-541	-949	142	-537	0	0
HP	489	102	291	-742	0	0
J&K	740	570	97	-26	0	0
CHD	0	-31	0	-41	0	0
Rajasthan	185	-7	673	-68	2	2
UP	150	-458	0	0	0	0
Uttarakhand	414	385	385	138	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	**61**
ER	**0**
Simultaneous	**0**

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

WR	**92%**
ER	**0%**
Simultaneous	**44%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 17.01.2016 :

XV. Synchronisation of new generating units :

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

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 17.01.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER