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 22.01.2016
Date of Reporting : 23.01.2016

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
42109	2015	44124	50.03	30586	1804	32390	50.13	859.5	50.93

* 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	66.38	6.15		72.53	36.62	35.61	-1.01	108.13	0.00
Haryana	59.72	0.28		60.00	61.81	57.91	-3.89	117.91	0.00
Rajasthan	143.05	4.18	4.22	151.46	64.01	65.80	1.79	217.26	3.01
Delhi	14.65			14.65	54.78	53.57	-1.21	68.22	0.44
UP	140.35	4.40		144.75	91.31	89.37	-1.94	234.11	36.49
Uttarakhand		9.44		9.44	26.36	28.46	2.10	37.90	0.37
HP		3.22		3.22	22.49	23.83	1.33	27.05	0.14
J & K		5.44	0.00	5.44	38.01	39.20	1.19	44.64	10.48
Chandigarh				0.00	3.95	4.24	0.27	4.24	0.00
Total	**424.15**	**33.11**	**4.22**	**461.48**	**399.33**	**397.98**	**-1.37**	**859.46**	**50.93**

* 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	5306	0	-213	-897	3095	0	-74	-348	5418
Haryana	6648	0	-234	-595	3584	0	-96	-840	6648
Rajasthan	9792	120	119	-197	8590	0	197	628	10119
Delhi	3356	79	-159	-462	1590	0	-68	-1566	4077
UP	11625	1320	182	7	9766	1485	22	125	11625
Uttarakhand	1904	7	21	555	1253	0	101	388	1968
HP	1330	8	15	107	806	0	43	414	1448
J&K	1924	481	9	855	1807	319	22	756	1993
Chandigarh	224	0	2	0	95	0	10	-21	248
Total	**42109**	**2015**	**-259**	**-626**	**30586**	**1804**	**156**	**-464**	**42109**

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

Diversity is 1.03

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	1849	1988	1669	43.36	1807	43.24	0.12
	Rihand I STPS (2*500)	1000	864	936	688	19.11	796	19.05	0.06
	Rihand II STPS (2*500)	1000	957	1007	729	21.16	882	21.26	-0.10
	Rihand III STPS (2*500)	1000	974	1026	864	21.68	903	22.19	-0.51
	Dadri I STPS (4*210)	840	815	680	574	15.16	632	15.55	-0.39
	Dadri II STPS (2*490)	980	980	957	704	19.80	825	20.34	-0.54
	Unchahar I TPS (2*210)	420	406	356	308	8.17	341	8.42	-0.24
	Unchahar II TPS (2*210)	420	365	339	275	6.63	276	7.18	-0.55
	Unchahar III TPS (1*220)	210	202	170	138	3.97	165	4.10	-0.13
	ISTPP (Jhajjhar) (3*500)	1500	1475	1230	940	22.08	920	22.27	-0.19
	Dadri GPS (4*130.19+2*154.51)	830	813	233	239	5.61	234	6.06	-0.44
	Anta GPS (3*88.71+1*153.2)	419	421	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	113	119	2.73	114	2.76	-0.03
	Dadri Solar	5	0	0	0	0.01	1	0.01	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.01	0.01
	Singrauli Solar	15	1	0	0	0.07	3	0.02	0.05
	KHEP	800	655	655	0	2.00	83	1.97	0.03
	Sub Total (A)	**12112**	**11433**	**9690**	**7247**	**192**	**7982**	**194**	**-3**
B. NPC	NAPS (2*220)	440	414	456	453	9.90	412	9.94	-0.04
	RAPS- B (2*220)	440	404	446	450	9.71	405	9.70	0.02
	RAPS- C (2*220)	440	420	458	458	9.94	414	10.08	-0.14
	Sub Total (B)	**1320**	**1238**	**1360**	**1361**	**29.55**	**1231**	**29.71**	**-0.17**
C. NHPC	Chamera I HPS (3*180)	540	360	372	0	1.46	61	1.25	0.21
	Chamera II HPS (3*100)	300	200	203	0	0.93	39	0.83	0.10
	Chamera III HPS (3*77)	231	155	154	0	0.53	22	0.46	0.06
	Bairasuil HPS(3*60)	180	124	124	0	0.40	17	0.38	0.02
	Salal-HPS (6*115)	690	102	230	90	2.82	118	2.44	0.38
	Tanakpur-HPS (3*40)	94	17	27	13	0.51	21	0.40	0.11
	Uri-I HPS (4*120)	480	170	239	138	4.25	177	4.10	0.15
	Uri-II HPS (4*60)	240	99	81	93	2.43	101	2.38	0.05
	Dhauliganga-HPS (4*70)	280	140	140	0	0.77	32	0.70	0.07
	Dulhasti-HPS (3*130)	390	258	270	0	3.17	132	3.00	0.17
	Sewa-II HPS (3*40)	120	119	106	0	0.32	13	0.33	-0.01
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	Sub Total (C)	**4065**	**1743**	**1947**	**335**	**18**	**766**	**16**	**2**
D.SJVNL	NJPC (6*250)	1500	1350	1356	0	6.32	263	6.20	0.12
	Rampur HEP (6*68.67)	412	344	372	0	1.78	74	1.68	0.10
	Sub Total (D)	**1912**	**1694**	**1728**	**0**	**8.10**	**337**	**7.88**	**0.22**
E. THDC	Tehri HPS (4*250)	1000	880	887	0	7.87	328	7.70	0.17
	Koteshwar HPS (4*100)	400	128	94	91	3.11	129	3.08	0.03
	Sub Total (E)	**1400**	**1008**	**981**	**91**	**10.98**	**457**	**10.78**	**0.20**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	557	1006	359	13.40	558	13.38	0.02
	Dehar HPS (6*165)	990	83	495	0	2.01	84	2.00	0.01
	Pong HPS (6*66)	396	285	384	60	6.74	281	6.85	-0.11
	Sub Total (F)	**2765**	**926**	**1885**	**419**	**22.15**	**923**	**22.23**	**-0.08**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.38	16	0.35	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250	1000	0	622	0	3.23	135	3.13	0.11
	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	296	7.10	296	7.17	-0.06
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	953	296	11.04	460	10.96	0.08
H. Total Regional Entities (A-G)		**25237**	**18042**	**18544**	**9749**	**291.78**	**12157**	**292.24**	**-0.47**

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	510	520	12.39	516
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	220	126	3.52	147
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	601	620	14.53	605
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1379	704	25.21	1050
	Talwandi Saboo (2*660)	1320	459	350	10.74	448
	Thermal (Total)	**5360**	**3169**	**2320**	**66.38**	**2766**
	Total Hydro	1000	373	217	6.15	256
	Total Punjab	**6360**	**3542**	**2537**	**72.53**	**3022**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	238	224	5.42	226
	DCRTPP (Yamuna nagar) (2*300)	600	560	455	12.27	511
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1138	755	22.29	929
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1111	739	19.75	823
	Thermal (Total)	**4944**	**3047**	**2173**	**59.72**	**2488**
	Total Hydro	62	12	13	0.28	12
	Total Haryana	**5006**	**3059**	**2186**	**60.00**	**2500**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1148	1045	27.08	1128
	suratgarh TPS (6*250)	1500	1147	959	25.56	1065
	Chabra TPS (4*250)	1000	398	396	9.63	401
	Dholpur GPS (3*110)	330	89	90	2.71	113
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	193	198	4.80	200
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	92	92	2.10	88
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	840	847	20.00	833
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1045	866	22.95	956
	Kawai(Adani) (2*660)	1320	1188	1108	28.22	1176
	Thermal (Total)	**8876**	**6140**	**5601**	**143**	**5961**
	Total Hydro	550	202	123	4.18	174
	Wind power	3214	77	24	3.19	133
	Biomass	99	26	26	0.62	26
	Solar	730	0	0	0.41	17
	Renewable/Others (Total)	4043	103	50	4.22	176
	Total Rajasthan	**13469**	**6445**	**5774**	**151.46**	**6311**
UP	Anpara TPS (3*210+2*500)	1630	1354	1293	32.20	1342
	Obra TPS (2*50+2*94+5*200)	1194	495	473	11.20	467
	Paricha TPS (2*110+2*220+2*250)	1140	798	770	19.70	821
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	536	531	12.30	513
	Tanda TPS (NTPC) (4*110)	440	392	270	8.45	352
	Roza TPS (IPP) (4*300)	1200	554	383	11.90	496
	Anpara-C (IPP) (2*600)	1200	1076	990	23.50	979
	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	345	0	1.90	79
	Thermal (Total)	**11269**	**5550**	**4710**	**121**	**5048**
	Vishnuparyag HPS (IPP)(4*110)	440	70	65	1.60	67
	Alaknanada(4*82.5)	330	72	0	1.00	42
	Other Hydro	527	82	22	1.80	75
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**6574**	**5597**	**145**	**6031**
Uttarakhand	Total Hydro	1398	620	283	9.44	393
	Total Uttarakhand	**1398**	**620**	**283**	**9.44**	**393**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	41	37	1.25	52
	Pragati Gas Turbine (2x104+ 1x122)	330	158	140	3.71	154
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	252	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	166	160	3.69	154
	Thermal (Total)	2917	617	589	14.65	611
	Total Delhi	**2917**	**617**	**589**	**14.65**	**611**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.84	35
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	878	113	57	2.18	91
	Total HP	**1264**	**113**	**57**	**3.22**	**134**
J & K	Baglihar HPS (IPP) (3*150)	450	150	150	3.60	150
	Other Hydro/IPP	560	94	66	1.84	77
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**244**	**216**	**5.44**	227
Total State Control Area Generation		**45161**	**21214**	**17239**	**461.48**	**19228**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**4581**	**6142**	**129.38**	**5391**
Total Regional Availability(Gross)		**70398**	**44338**	**33129**	**882.64**	**36777**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**7818**	**844**	**65.42**	**2726**
State Control Area Hydro	**6581**	**1788**	**996**	**33**	**1379**
Total Regional Hydro	**18815**	**9606**	**1840**	**98.52**	**4105**

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)	250	-100	250	350	3.68	2.30	1.39
765 KV Gwalior-Agra (D/C)	1779	1931	2894	0	47.51	0.00	47.51
400 KV Zerda-Kankroli	-85	-199	0	250	0.00	2.97	-2.97
400 KV Zerda-Bhinmal	14	-78	132	156	0.00	0.17	-0.17
220 KV Auraiya-Malanpur	-109	-43	0	109	0.00	1.20	-1.20
220 KV Badod-Kota/Morak	-60	-54	0	90	0.00	1.40	-1.40
Mundra-Mohindergarh(HVDC Bipole)	2502	2202	2505	0	57.87	0.00	57.87
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	683	698	965	0	18.45	0.00	18.45
Sub Total WR	**4974**	**4357**			**127.52**	**8.03**	**119.49**
Pusauli Bypass/HVDC	200	200	200	0	4.73	0.00	4.73
400 KV MZP- GKP (D/C)	-767	-60	0	838	0.00	9.51	-9.51
400 KV Patna-Balia(D/C) X 2	252	408	419	0	7.96	0.00	7.96
400 KV B'Sharif-Balia (D/C)	434	55	0	455	0.00	4.89	-4.89
765 KV Gaya-Balia	96	94	147	22	1.09	0.00	1.09
765 KV Gaya-Fatehpur	-85	112	249	85	2.67	0.00	2.67
220 KV Pusauli-Sahupuri	117	136	148	0	1.19	0.00	1.19
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-24	0	27	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-384	-72	60	384	0.00	2.53	-2.53
400 KV Barh -GKP (D/C)	270	436	496	0	8.26	0.00	8.26
Sub Total ER	**107**	**1285**			**25.89**	**17.49**	**8.40**
+/- 800 KV BiswanathCharialli-Agra	-500	500	500	500	1.49	0.00	1.49
Sub Total NER	**-500**	**500**			**1.49**	**0.00**	**1.49**
Total IR Exch	**4581**	**6142**			**154.90**	**25.52**	**129.38**

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
32.84	0.26	33.11	-4.35	-10.18	0.00	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
33.69	101.08	134.77	9.90	119.49	129.38	-23.79	18.40	-5.39

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	-32	0	33	0	1	-0.73

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	0.43	9.73	46.18	62.28	18.23	9.17	0.64	NA

<---------- 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)	
50.26	5.02	49.73	21.07	50.00	0.060	0.078	50.20	0.00	37.72

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	407	05:07	397	14:51	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	05:04	396	17:37	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	424	05:04	400	12:39	0.0	0.0	1.3	0.0	1.3
Kanpur	400	423	05:00	402	09:50	0.0	0.0	3.4	0.0	3.4
Dadri	400	427	02:59	404	11:11	0.1	0.1	20.0	0.0	20.0
Ballabhgarh	400	434	05:02	407	10:37	0.0	0.0	39.5	10.8	39.5
Bawana	400	429	02:56	407	11:07	0.0	0.0	30.7	0.0	30.7
Bassi	400	426	05:01	394	16:22	0.0	0.0	6.4	0.0	6.4
Hissar	400	421	03:01	399	11:07	0.0	0.0	0.0	0.0	0.0
Moga	400	423	02:59	404	11:09	0.0	0.0	14.5	0.0	14.5
Abdullapur	400	424	03:02	396	11:54	0.0	0.0	13.6	0.0	13.6
Nalagarh	400	435	02:59	411	10:21	0.0	0.0	52.3	16.4	52.3
Kishenpur	400	427	21:19	397	11:05	0.0	0.0	7.9	0.0	7.9
Wagoora	400	413	20:05	368	18:23	39.6	77.8	0.0	0.0	39.6
Amritsar	400	430	03:01	411	11:09	0.0	0.0	41.0	0.0	41.0
Kashipur	400	423	05:00	412	09:20	0.0	0.0	14.3	0.0	14.3
Hamirpur	400	424	03:42	409	12:53	0.0	0.0	21.9	0.0	21.9
Rishikesh	400	426	05:03	394	09:50	0.0	0.0	14.6	0.0	14.6

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	779	21:46	735	16:22	0.0	3.0	0.0	0.0	0.0
Balia	765	764	21:55	738	16:22	0.0	13.9	0.0	0.0	0.0
Moga	765	805	21:47	764	11:07	0.0	0.0	2.4	0.0	2.4
Agra	765	797	05:03	750	16:22	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	805	02:57	766	10:21	0.0	0.0	13.8	0.0	13.8
Unnao	765	772	05:03	750	00:07	0.0	0.0	0.0	0.0	0.0
Lucknow	765	790	05:03	751	12:40	0.0	0.0	0.0	0.0	0.0
Meerut	765	813	05:02	769	11:38	0.0	0.0	25.0	0.0	25.0
Jhatikara	765	815	03:00	768	10:20	0.0	0.0	22.3	0.0	22.3
Bareilly 765 kV	765	795	05:03	753	12:39	0.0	0.0	0.0	0.0	0.0
Anta	765	781	02:24	756	09:47	0.0	0.0	0.0	0.0	0.0
Phagi	765	793	04:03	748	16:21	0.0	0.0	0.0	0.0	0.0

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	497.20	983.40	493.72	858.11	130.71	413.68
Pong	426.72	384.05	407.26	407.15	402.53	281.22	61.90	466.12
Tehri	829.79	740.04	792.40	496.78	801.45	638.00	60.03	214.00
Koteshwar	612.50	598.50	611.17	4.95	609.45	4.21	214.00	204.00
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	40.00	39.12
Rihand	268.22	252.98	848.10	225.50	849.90	237.90	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	496.11	0.22	503.04	0.96	45.23	19.41

*** 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	-352	3	0	-810	-87	0	-13.87	-1.81	-15.68
Delhi	-944	-620	-2	-496	36	-2	-14.44	-4.18	-18.62
Haryana	-544	-295	0	-749	153	0	-18.12	-1.11	-19.23
HP	114	300	0	163	-56	0	8.11	0.72	8.83
J&K	721	35	0	783	72	0	17.07	0.29	17.36
CHD	-31	10	0	0	0	0	-0.24	0.25	0.01
Rajasthan	-7	633	2	-59	-139	2	4.24	5.61	9.85
UP	125	0	0	7	0	0	-7.24	0.00	-7.24
Uttarakhand	384	4	0	384	171	0	10.56	2.97	13.53
Total	**-534**	**70**	**0**	**-775**	**150**	**0**	**-13.92**	**2.73**	**-11.19**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-352	-810	70	-612	0	0
Delhi	-282	-974	236	-622	-2	-2
Haryana	-544	-953	214	-402	0	0
HP	607	114	300	-578	0	0
J&K	783	571	96	-77	0	0
CHD	0	-31	44	0	0	0
Rajasthan	617	-59	633	-478	2	2
UP	166	-871	0	0	0	0
Uttarakhand	605	384	359	1	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	**55.56%**
ER	**0.00%**
Simultaneous	**0.00%**

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

WR	**58.68%**
ER	**0.00%**
Simultaneous	**35.76%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 22.01.2016 :

Normal

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 : 22.01.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER