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 23.01.2016
Date of Reporting : 24.01.2016

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
40197	2186	42383	50.03	30897	313	31210	50.13	859.3	47.46

* 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	62.80	7.28		70.08	37.16	36.99	-0.17	107.07	0.00
Haryana	54.84	0.26		55.10	62.32	62.49	0.18	117.60	6.18
Rajasthan	133.86	3.43	7.91	145.20	78.01	78.17	0.16	223.37	0.00
Delhi	14.25			14.25	52.90	50.38	-2.52	64.63	0.03
UP	137.19	3.83		141.03	92.85	92.65	-0.20	233.68	30.59
Uttarakhand		9.93		9.93	26.87	27.12	0.25	37.04	0.00
HP		3.29		3.29	22.55	23.75	1.20	27.04	0.10
J & K		5.14	0.00	5.14	38.39	39.76	1.36	44.90	10.56
Chandigarh				0.00	3.84	4.02	0.27	4.02	0.00
Total	**402.95**	**33.16**	**7.91**	**444.01**	**414.90**	**415.32**	**0.52**	**859.34**	**47.46**

* 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	5078	0	-23	-679	3213	0	55	-188	5744
Haryana	6383	167	-38	-611	3560	0	77	-345	6383
Rajasthan	9554	0	-295	597	8733	0	46	663	10288
Delhi	3156	0	-226	-446	1615	0	-107	-1322	3836
UP	10574	1490	263	7	9823	0	-187	126	10574
Uttarakhand	1881	0	-44	780	1255	0	12	406	1881
HP	1313	17	-25	324	827	0	52	390	1458
J&K	2047	512	103	855	1772	313	71	732	2047
Chandigarh	211	0	13	20	99	0	14	-31	233
Total	**40197**	**2186**	**-272**	**846**	**30897**	**313**	**33**	**432**	**40197**

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

Diversity is 1.06

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	1854	2005	1585	42.61	1776	42.19	0.42
	Rihand I STPS (2*500)	1000	868	938	707	18.61	776	18.67	-0.05
	Rihand II STPS (2*500)	1000	938	990	694	19.76	823	19.27	0.49
	Rihand III STPS (2*500)	1000	974	1020	729	20.95	873	21.00	-0.05
	Dadri I STPS (4*210)	840	815	568	555	13.65	569	14.07	-0.42
	Dadri II STPS (2*490)	980	980	675	672	17.00	708	17.73	-0.73
	Unchahar I TPS (2*210)	420	406	395	305	7.93	331	8.07	-0.13
	Unchahar II TPS (2*210)	420	404	387	277	7.18	299	7.33	-0.15
	Unchahar III TPS (1*220)	210	202	164	137	3.46	144	3.56	-0.10
	ISTPP (Jhajjhar) (3*500)	1500	1475	1250	953	23.16	965	23.47	-0.31
	Dadri GPS (4*130.19+2*154.51)	830	822	236	232	5.43	226	5.68	-0.25
	Anta GPS (3*88.71+1*153.2)	419	419	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	0	111	1.13	47	1.17	-0.04
	Dadri Solar	5	1	0	0	0.02	1	0.01	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.02	0.00
	Singrauli Solar	15	4	0	0	0.07	3	0.09	-0.01
	KHEP	800	655	438	0	2.07	86	1.97	0.10
	Sub Total (A)	**12112**	**11472**	**9066**	**6957**	**183**	**7627**	**184**	**-1**
B. NPC	NAPS (2*220)	440	413	452	455	9.96	415	9.91	0.04
	RAPS- B (2*220)	440	399	438	452	9.60	400	9.58	0.02
	RAPS- C (2*220)	440	420	458	459	9.94	414	10.08	-0.14
	Sub Total (B)	**1320**	**1232**	**1348**	**1366**	**29.49**	**1229**	**29.57**	**-0.08**
C. NHPC	Chamera I HPS (3*180)	540	360	376	0	1.51	63	1.25	0.26
	Chamera II HPS (3*100)	300	200	203	0	0.93	39	0.82	0.10
	Chamera III HPS (3*77)	231	155	153	0	0.54	22	0.46	0.07
	Bairasuil HPS(3*60)	180	124	124	0	0.41	17	0.38	0.03
	Salal-HPS (6*115)	690	108	230	90	2.92	122	2.58	0.34
	Tanakpur-HPS (3*40)	94	16	18	14	0.47	19	0.39	0.08
	Uri-I HPS (4*120)	480	147	250	143	3.94	164	3.53	0.40
	Uri-II HPS (4*60)	240	100	101	82	2.47	103	2.39	0.08
	Dhauliganga-HPS (4*70)	280	140	81	0	0.80	33	0.70	0.10
	Dulhasti-HPS (3*130)	390	258	269	0	3.06	127	2.90	0.16
	Sewa-II HPS (3*40)	120	119	121	0	0.32	13	0.33	-0.01
	Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
	Sub Total (C)	**4065**	**1726**	**1926**	**329**	**17**	**723**	**16**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1621	0	6.66	278	6.55	0.11
	Rampur HEP (6*68.67)	412	344	375	0	1.83	76	1.69	0.14
	Sub Total (D)	**1912**	**1949**	**1996**	**0**	**8.49**	**354**	**8.24**	**0.25**
E. THDC	Tehri HPS (4*250)	1000	880	883	0	7.85	327	7.70	0.15
	Koteshwar HPS (4*100)	400	128	91	92	3.11	130	3.08	0.03
	Sub Total (E)	**1400**	**1008**	**974**	**92**	**10.96**	**457**	**10.78**	**0.18**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	567	1002	364	13.74	573	13.60	0.14
	Dehar HPS (6*165)	990	107	495	0	2.63	110	2.56	0.07
	Pong HPS (6*66)	396	301	384	60	7.14	298	7.23	-0.09
	Sub Total (F)	**2765**	**975**	**1881**	**424**	**23.51**	**980**	**23.40**	**0.11**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	12	0	0.44	18	0.42	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250	1000	0	595	0	3.45	144	3.43	0.02
	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	223	6.69	279	6.73	-0.04
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	907	223	10.90	454	10.89	0.01
H. Total Regional Entities (A-G)		**25237**	**18363**	**18097**	**9392**	**283.76**	**11823**	**282.91**	**0.86**

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	480	11.07	461
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	190	195	4.23	176
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	591	601	13.80	575
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	843	700	23.65	985
	Talwandi Saboo (2*660)	1320	335	333	10.05	419
	Thermal (Total)	**5360**	**2469**	**2309**	**62.80**	**2617**
	Total Hydro	1000	259	253	7.28	303
	Total Punjab	**6360**	**2728**	**2562**	**70.08**	**2920**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	239	227	5.38	224
	DCRTPP (Yamuna nagar) (2*300)	600	562	453	12.17	507
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	578	809	14.90	621
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1107	739	22.39	933
	Thermal (Total)	**4944**	**2486**	**2228**	**54.84**	**2285**
	Total Hydro	62	8	9	0.26	11
	Total Haryana	**5006**	**2494**	**2237**	**55.10**	**2296**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1042	1050	25.37	1057
	suratgarh TPS (6*250)	1500	968	958	23.29	970
	Chabra TPS (4*250)	1000	549	403	10.27	428
	Dholpur GPS (3*110)	330	96	96	2.78	116
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	195	196	3.81	159
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	91	93	2.11	88
	Giral LTPS (2*125)	250	42	42	0.88	37
	Rajwest LTPS (IPP) (8*135)	1080	624	830	18.48	770
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1020	844	22.34	931
	Kawai(Adani) (2*660)	1320	863	1058	24.53	1022
	Thermal (Total)	**8876**	**5490**	**5570**	**134**	**5577**
	Total Hydro	550	185	91	3.43	143
	Wind power	3214	251	348	4.32	180
	Biomass	99	21	21	0.50	21
	Solar	730	0	0	3.09	129
	Renewable/Others (Total)	4043	272	369	7.91	329
	Total Rajasthan	**13469**	**5947**	**6030**	**145.20**	**6050**
UP	Anpara TPS (3*210+2*500)	1630	1392	1382	33.20	1383
	Obra TPS (2*50+2*94+5*200)	1194	447	485	11.10	463
	Paricha TPS (2*110+2*220+2*250)	1140	807	757	18.30	763
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	531	519	12.20	508
	Tanda TPS (NTPC) (4*110)	440	276	325	8.44	352
	Roza TPS (IPP) (4*300)	1200	378	387	10.70	446
	Anpara-C (IPP) (2*600)	1200	540	1017	18.73	780
	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	0	195	5.32	222
	Thermal (Total)	**11269**	**4371**	**5067**	**118**	**4916**
	Vishnuparyag HPS (IPP)(4*110)	440	67	64	1.60	67
	Alaknanada(4*82.5)	330	71	0	1.03	43
	Other Hydro	527	23	22	1.21	50
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**5332**	**5953**	**141**	**5876**
Uttarakhand	Total Hydro	1398	501	354	9.93	414
	Total Uttarakhand	**1398**	**501**	**354**	**9.93**	**414**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	40	40	0.90	37
	Pragati Gas Turbine (2x104+ 1x122)	330	139	161	3.72	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	252	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	163	160	3.58	149
	Thermal (Total)	2917	595	613	14.25	594
	Total Delhi	**2917**	**595**	**613**	**14.25**	**594**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.89	37
	Malana HPS (IPP) (2*43)	86	0	0	0.20	8
	Other Hydro	878	123	83	2.20	92
	Total HP	**1264**	**123**	**83**	**3.29**	**137**
J & K	Baglihar HPS (IPP) (3*150)	450	150	150	3.60	150
	Other Hydro/IPP	560	98	56	1.54	64
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**248**	**206**	**5.14**	214
Total State Control Area Generation		**45161**	**17968**	**18038**	**444.01**	**18501**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5679.82**	**5398.71**	**149.26**	**6219**
Total Regional Availability(Gross)		**70398**	**41745**	**32829**	**877.03**	**36543**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**7822**	**846**	**66.45**	**2769**
State Control Area Hydro	**6581**	**1485**	**1082**	**33**	**1382**
Total Regional Hydro	**18815**	**9307**	**1928**	**99.61**	**4150**

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)	-500	-500	250	500	0.31	9.74	-9.44
765 KV Gwalior-Agra (D/C)	2428	2193	3184	0	61.42	0.00	61.42
400 KV Zerda-Kankroli	70	142	105	233	0.00	2.23	-2.23
400 KV Zerda-Bhinmal	40	-53	232	134	0.44	0.00	0.44
220 KV Auraiya-Malanpur	-30	-33	0	65	0.00	0.62	-0.62
220 KV Badod-Kota/Morak	19	-53	19	53	0.78	0.00	0.78
Mundra-Mohindergarh(HVDC Bipole)	2503	1702	2506	0	55.74	0.00	55.74
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	947	822	1373	0	25.16	0.00	25.16
Sub Total WR	**5477**	**4220**			**143.84**	**12.59**	**131.25**
Pusauli Bypass/HVDC	400	200	400	0	7.22	0.00	7.22
400 KV MZP- GKP (D/C)	-870	-333	0	900	0.00	13.31	-13.31
400 KV Patna-Balia(D/C) X 2	229	397	430	0	7.93	0.00	7.93
400 KV B'Sharif-Balia (D/C)	-373	-204	0	407	0.00	6.02	-6.02
765 KV Gaya-Balia	215	139	215	0	1.74	0.00	1.74
765 KV Gaya-Fatehpur	-40	57	247	40	2.86	0.00	2.86
220 KV Pusauli-Sahupuri	135	117	147	0	2.76	0.00	2.76
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.48	0.48
132 KV Son Ngr-Rihand	-28	-20	0	30	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-409	-172	0	409	0.00	4.25	-4.25
400 KV Barh -GKP (D/C)	444	498	500	0	10.61	0.00	10.61
Sub Total ER	**-297**	**679**			**34.09**	**24.60**	**9.49**
+/- 800 KV BiswanathCharialli-Agra	500	500	750	0	8.52	0.00	8.52
Sub Total NER	**500**	**500**			**8.52**	**0.00**	**8.52**
Total IR Exch	**5680**	**5399**			**186.45**	**37.19**	**149.26**

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
31.80	0.17	31.98	-0.21	-2.24	5.36	20.79	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
42.05	117.81	159.87	18.01	131.25	149.26	-24.05	13.44	-10.61

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	-33	-27	0	33	0	1	-0.68

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	0.17	11.15	53.82	71.42	12.72	3.83	0.91	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)	
50.25	5.02	49.78	10.14	49.99	0.052	0.071	0.00	0.00	28.58

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	497.00	983.40	493.59	848.04	134.36	426.48
Pong	426.72	384.05	407.04	397.88	402.39	273.51	58.19	486.54
Tehri	829.79	740.04	791.95	483.00	801.05	627.00	57.23	214.00
Koteshwar	612.50	598.50	611.05	4.95	609.61	4.44	213.00	204.91
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	41.27	40.39
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	496.06	0.90	503.03	1.10	43.18	8.93

*** 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	164	0	-806	127	0	-13.80	3.70	-10.10
Delhi	-842	-477	-3	-545	101	-3	-13.91	-0.27	-14.18
Haryana	-544	200	0	-749	138	0	-16.82	3.75	-13.06
HP	114	276	0	176	148	0	9.45	1.42	10.86
J&K	721	10	0	783	72	0	16.78	0.46	17.25
CHD	-31	0	0	0	20	0	-0.24	0.51	0.26
Rajasthan	-7	668	2	-7	601	2	12.94	16.53	29.47
UP	126	0	0	7	0	0	-7.98	0.00	-7.98
Uttarakhand	384	22	0	384	396	0	10.63	3.61	14.24
Total	**-431**	**863**	**0**	**-756**	**1603**	**0**	**-2.96**	**29.71**	**26.75**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-352	-806	165	115	0	0
Delhi	-282	-872	619	-482	-3	-3
Haryana	-544	-906	200	114	0	0
HP	607	114	300	-606	0	0
J&K	783	571	108	-65	0	0
CHD	0	-31	49	0	0	0
Rajasthan	1367	-7	978	578	2	2
UP	166	-898	0	0	0	0
Uttarakhand	701	384	403	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	**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%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 23.01.2016 :
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 : 23.01.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**