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 12.02.2016
Date of Reporting : 13.02.2016

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
38287	1576	39862	50.05	30219	396	30615	50.04	843.9	43.47

* 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	38.83	7.30		46.12	56.11	56.86	0.75	102.98	0.00
Haryana	49.89	0.37		50.25	71.10	71.11	0.02	121.37	0.00
Rajasthan	125.50	4.74	5.75	135.99	74.67	76.84	2.17	212.84	0.00
Delhi	15.29			15.29	48.08	48.30	0.22	63.60	0.01
UP	131.86	3.37		135.23	101.10	104.98	3.88	240.21	34.43
Uttarakhand		9.47		9.47	24.36	26.23	1.87	35.70	0.00
HP		3.13		3.13	22.05	22.80	0.75	25.93	0.12
J & K		4.35	0.00	4.35	35.20	33.28	-1.92	37.63	8.91
Chandigarh				0.00	3.49	3.63	0.27	3.63	0.00
Total	**361.37**	**32.72**	**5.75**	**399.84**	**436.18**	**444.04**	**8.00**	**843.88**	**43.47**

* 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	4900	0	17	-20	3105	0	13	195	5373
Haryana	6307	0	-121	-21	3442	0	-17	-32	6355
Rajasthan	8852	0	-23	641	8775	0	123	725	10527
Delhi	2948	3	-252	-472	1472	0	14	-1366	3635
UP	10174	1100	-371	-604	10148	180	416	135	10835
Uttarakhand	1813	0	60	512	1179	0	101	311	1964
HP	1211	0	0	364	780	0	59	322	1424
J&K	1890	473	-9	788	1225	216	-184	707	1979
Chandigarh	192	0	23	0	93	0	3	-31	211
Total	**38287**	**1576**	**-674**	**1188**	**30219**	**396**	**529**	**966**	**39900**

* 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	1870	1941	1863	43.64	1818	43.58	0.06
	Rihand I STPS (2*500)	1000	863	919	738	18.47	770	18.47	0.00
	Rihand II STPS (2*500)	1000	964	1017	798	20.15	839	20.22	-0.08
	Rihand III STPS (2*500)	1000	974	1038	956	21.39	891	21.57	-0.19
	Dadri I STPS (4*210)	840	815	562	568	13.85	577	14.17	-0.32
	Dadri II STPS (2*490)	980	980	664	679	17.19	716	17.87	-0.68
	Unchahar I TPS (2*210)	420	406	369	320	8.03	335	8.24	-0.21
	Unchahar II TPS (2*210)	420	404	320	311	7.52	313	7.62	-0.10
	Unchahar III TPS (1*220)	210	202	167	151	3.82	159	3.91	-0.09
	ISTPP (Jhajjhar) (3*500)	1500	1475	1041	617	16.36	682	16.72	-0.36
	Dadri GPS (4*130.19+2*154.51)	830	816	494	495	11.54	481	11.84	-0.30
	Anta GPS (3*88.71+1*153.2)	419	415	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	655	294	298	6.92	288	7.06	-0.14
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar	15	2	0	0	0.05	2	0.04	0.01
	KHEP	800	655	648	0	2.06	86	1.97	0.10
	Sub Total (A)	**12112**	**11498**	**9474**	**7794**	**191**	**7960**	**193**	**-2**
B. NPC	NAPS (2*220)	440	408	437	452	9.80	408	9.79	0.01
	RAPS- B (2*220)	440	385	425	431	9.24	385	9.24	0.00
	RAPS- C (2*220)	440	425	452	454	9.86	411	10.20	-0.34
	Sub Total (B)	**1320**	**1218**	**1314**	**1337**	**28.89**	**1204**	**29.23**	**-0.34**
C. NHPC	Chamera I HPS (3*180)	540	360	363	0	2.34	97	2.20	0.14
	Chamera II HPS (3*100)	300	200	203	0	1.06	44	0.98	0.08
	Chamera III HPS (3*77)	231	160	153	0	0.51	21	0.48	0.03
	Bairasuil HPS(3*60)	180	150	168	0	0.48	20	0.45	0.03
	Salal-HPS (6*115)	690	115	230	90	3.30	137	2.74	0.55
	Tanakpur-HPS (3*40)	94	18	31	16	0.45	19	0.42	0.03
	Uri-I HPS (4*120)	480	211	229	154	5.26	219	4.97	0.30
	Uri-II HPS (4*60)	240	132	122	121	3.24	135	3.16	0.08
	Dhauliganga-HPS (4*70)	280	201	148	0	0.68	28	0.70	-0.02
	Dulhasti-HPS (3*130)	390	386	394	0	2.34	97	2.10	0.24
	Sewa-II HPS (3*40)	120	119	120	0	0.36	15	0.36	0.00
	Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
	Sub Total (C)	**4065**	**2050**	**2161**	**381**	**20**	**834**	**19**	**1**
D.SJVNL	NJPC (6*250)	1500	1605	1617	0	6.68	279	6.46	0.22
	Rampur HEP (6*68.67)	412	412	444	0	1.86	77	1.78	0.08
	Sub Total (D)	**1912**	**2017**	**2061**	**0**	**8.54**	**356**	**8.25**	**0.30**
E. THDC	Tehri HPS (4*250)	1000	816	792	0	7.73	322	7.70	0.03
	Koteshwar HPS (4*100)	400	130	401	90	3.15	131	3.13	0.02
	Sub Total (E)	**1400**	**946**	**1193**	**90**	**10.88**	**453**	**10.83**	**0.05**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	709	1210	391	16.90	704	17.02	-0.12
	Dehar HPS (6*165)	990	98	495	0	2.21	92	2.34	-0.13
	Pong HPS (6*66)	396	300	312	249	7.13	297	7.20	-0.07
	Sub Total (F)	**2765**	**1107**	**2017**	**640**	**26.24**	**1093**	**26.56**	**-0.32**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.35	15	0.34	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250	1000	0	625	0	3.38	141	3.60	-0.22
	Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	295	296	7.10	296	7.14	-0.04
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	955	296	11.13	464	11.37	-0.24
H. Total Regional Entities (A-G)		**25237**	**18836**	**19176**	**10538**	**296.74**	**12364**	**298.12**	**-1.38**

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	3.87	161
	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	0	0	-0.08	-4
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1168	705	24.55	1023
	Talwandi Saboo (2*660)	1320	365	341	10.51	438
	Thermal (Total)	**5360**	**1693**	**1206**	**38.83**	**1618**
	Total Hydro	1000	306	286	7.30	304
	Total Punjab	**6360**	**1999**	**1492**	**46.12**	**1922**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	628	577	14.27	595
	DCRTPP (Yamuna nagar) (2*300)	600	555	480	12.24	510
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1101	739	23.37	974
	Thermal (Total)	**4944**	**2284**	**1796**	**49.89**	**2079**
	Total Hydro	62	8	11	0.37	15
	Total Haryana	**5006**	**2292**	**1807**	**50.25**	**2094**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	858	875	21.99	916
	suratgarh TPS (6*250)	1500	570	616	14.76	615
	Chabra TPS (4*250)	1000	410	445	10.19	425
	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	217	213	5.24	218
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	176	175	4.08	170
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	663	892	18.85	785
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	881	1126	24.14	1006
	Kawai(Adani) (2*660)	1320	1021	1166	26.25	1094
	Thermal (Total)	**8876**	**4796**	**5508**	**126**	**5229**
	Total Hydro	550	273	142	4.74	197
	Wind power	3214	391	203	2.69	112
	Biomass	99	16	16	0.38	16
	Solar	730	0	0	2.69	112
	Renewable/Others (Total)	4043	407	219	5.75	240
	Total Rajasthan	**13469**	**5476**	**5869**	**135.99**	**5666**
UP	Anpara TPS (3*210+2*500)	1630	1041	1157	27.54	1147
	Obra TPS (2*50+2*94+5*200)	1194	465	464	10.81	450
	Paricha TPS (2*110+2*220+2*250)	1140	812	637	17.23	718
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	529	532	12.28	512
	Tanda TPS (NTPC) (4*110)	440	380	293	8.74	364
	Roza TPS (IPP) (4*300)	1200	527	378	11.69	487
	Anpara-C (IPP) (2*600)	1200	1075	1080	24.37	1016
	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	0	0.00	0
	Thermal (Total)	**11269**	**4829**	**4541**	**113**	**4694**
	Vishnuparyag HPS (IPP)(4*110)	440	68	58	1.50	62
	Alaknanada(4*82.5)	330	81	0	0.10	4
	Other Hydro	527	58	17	1.78	74
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**5836**	**5416**	**135**	**5634**
Uttarakhand	Total Hydro	1398	599	269	9.47	395
	Total Uttarakhand	**1398**	**599**	**269**	**9.47**	**395**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	141	140	3.32	138
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	250	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	163	165	5.02	209
	Thermal (Total)	2917	589	589	15.29	637
	Total Delhi	**2917**	**589**	**589**	**15.29**	**637**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.74	31
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	878	125	57	2.21	92
	Total HP	**1264**	**125**	**57**	**3.13**	**130**
J & K	Baglihar HPS (IPP) (3*150)	450	111	111	2.70	112
	Other Hydro/IPP	560	93	45	1.65	69
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**204**	**156**	**4.35**	181
Total State Control Area Generation		**45161**	**17120**	**15655**	**399.84**	**16660**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6267**	**6329**	**165.24**	**6885**
Total Regional Availability(Gross)		**70398**	**42563**	**32522**	**861.81**	**35909**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8706**	**1111**	**71.63**	**2985**
State Control Area Hydro	**6581**	**1722**	**996**	**33**	**1363**
Total Regional Hydro	**18815**	**10428**	**2107**	**104.35**	**4348**

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)	150	-50	150	150	0.71	1.30	-0.59
765 KV Gwalior-Agra (D/C)	2306	2276	3219	0	62.99	0.00	62.99
400 KV Zerda-Kankroli	8	7	55	11	0.00	1.64	-1.64
400 KV Zerda-Bhinmal	-18	-129	181	175	0.41	0.00	0.41
220 KV Auraiya-Malanpur	108	96	0	-117	0.00	2.24	-2.24
220 KV Badod-Kota/Morak	24	4	59	0	0.86	0.00	0.86
Mundra-Mohindergarh(HVDC Bipole)	2503	2502	2506	0	60.45	0.00	60.45
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	894	681	1179	0	22.26	0.00	22.26
Sub Total WR	**5975**	**5387**			**147.67**	**5.18**	**142.49**
Pusauli Bypass/HVDC	-515	300	300	582	4.51	3.21	1.30
400 KV MZP- GKP (D/C)	-396	-362	0	562	0.00	9.00	-9.00
400 KV Patna-Balia(D/C) X 2	448	541	706	0	13.59	0.00	13.59
400 KV B'Sharif-Balia (D/C)	-64	-124	0	199	0.00	2.22	-2.22
765 KV Gaya-Balia	128	121	213	0	1.79	0.00	1.79
765 KV Gaya-Fatehpur	62	47	324	0	3.71	0.00	3.71
220 KV Pusauli-Sahupuri	168	158	169	0	3.27	0.00	3.27
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-27	-26	0	30	0.00	0.61	-0.61
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	20	-181	253	215	0.00	0.88	-0.88
400 KV Barh -GKP (D/C)	468	468	538	0	11.31	0.00	11.31
Sub Total ER	**292**	**942**			**38.66**	**15.92**	**22.75**
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total NER	**0**	**0**			**0.00**	**0.00**	**0.00**
Total IR Exch	**6267**	**6329**			**186.34**	**21.10**	**165.24**

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
29.07	0.16	29.23	3.64	-2.33	0.03	29.24	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
32.90	134.08	166.98	22.75	142.49	165.24	-10.16	8.41	-1.75

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	-34	-31	0	34	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	0.00	1.72	45.06	76.72	16.75	4.24	0.57	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)	
50.32	18.03	49.86	11.09	50.01	0.033	0.056	50.22	50.02	23.28

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	406	01:58	400	09:32	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	04:06	402	10:12	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	04:03	394	12:16	0.0	0.0	0.2	0.0	0.2
Kanpur	400	418	04:04	401	12:20	0.0	0.0	0.0	0.0	0.0
Dadri	400	425	04:01	404	09:33	0.0	0.0	24.9	0.0	24.9
Ballabhgarh	400	430	04:02	406	12:19	0.0	0.0	37.8	0.0	37.8
Bawana	400	429	04:03	406	12:18	0.0	0.0	33.6	0.0	33.6
Bassi	400	424	20:50	391	07:40	0.0	0.0	6.8	0.0	6.8
Hissar	400	422	21:26	396	12:19	0.0	0.0	1.5	0.0	1.5
Moga	400	422	02:59	400	07:38	0.0	0.0	3.9	0.0	3.9
Abdullapur	400	424	21:22	400	12:19	0.0	0.0	8.5	0.0	8.5
Nalagarh	400	436	20:25	408	07:17	0.0	0.0	51.3	8.0	51.3
Kishenpur	400	428	04:03	389	17:09	0.0	0.4	20.0	0.0	20.0
Wagoora	400	410	04:02	362	17:06	40.0	64.5	0.0	0.0	40.0
Amritsar	400	430	02:39	404	12:13	0.0	0.0	32.8	0.0	32.8
Kashipur	400	422	04:02	409	12:19	0.0	0.0	7.6	0.0	7.6
Hamirpur	400	425	02:42	403	06:56	0.0	0.0	38.3	0.0	38.3
Rishikesh	400	418	04:05	386	12:19	0.0	2.0	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	769	18:03	736	09:31	0.0	7.0	0.0	0.0	0.0
Balia	765	750	00:00	750	00:00	0.0	0.0	0.0	0.0	0.0
Moga	765	802	20:27	759	07:36	0.0	0.0	0.8	0.0	0.8
Agra	765	790	18:16	748	09:31	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	20:27	774	16:24	0.0	0.0	11.4	0.0	11.4
Unnao	765	776	21:30	734	12:21	0.0	10.8	0.0	0.0	0.0
Lucknow	765	787	04:04	752	10:13	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	21:22	766	12:19	0.0	0.0	11.2	0.0	11.2
Jhatikara	765					5.5	5.5	27.8	0.0	33.3
Bareilly 765 kV	765	788	21:30	735	15:42	0.0	0.1	0.0	0.0	0.0
Anta	765	781	18:02	758	07:36	0.0	0.0	0.0	0.0	0.0
Phagi	765	789	05:01	747	07:42	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	492.51	817.99	488.00	671.08	174.49	529.44
Pong	426.72	384.05	402.59	281.22	399.97	216.87	80.84	507.44
Tehri	829.79	740.04	781.90	344.66	792.35	488.00	60.21	223.00
Koteshwar	612.50	598.50	610.71	4.95	610.24	4.69	223.00	207.25
Chamera-I	760.00	748.75	757.96	0.00	0.00	0.00	53.07	62.75
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	495.61	0.00	501.64	2.73	48.05	0.00

*** 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	-97	292	0	-272	252	0	-2.68	6.23	3.55
Delhi	-943	-423	0	-707	235	0	-17.24	-0.49	-17.73
Haryana	-348	316	0	-303	282	0	-9.45	6.85	-2.60
HP	194	127	0	386	-22	0	9.99	-0.53	9.45
J&K	721	-14	0	788	0	0	16.15	-0.35	15.80
CHD	-31	0	0	0	0	0	-0.24	-0.05	-0.29
Rajasthan	-3	726	3	-3	642	3	8.54	15.64	24.18
UP	135	0	0	-604	0	0	-8.21	0.00	-8.21
Uttarakhand	192	119	0	192	320	0	4.72	5.86	10.59
Total	**-179**	**1143**	**3**	**-523**	**1708**	**3**	**1.58**	**33.15**	**34.74**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-272	292	167	0	0
Delhi	-505	-973	336	-454	0	0
Haryana	-303	-578	316	214	0	0
HP	585	194	127	-555	0	0
J&K	788	586	84	-167	0	0
CHD	0	-31	0	-31	0	0
Rajasthan	843	-3	731	560	3	2
UP	180	-710	0	0	0	0
Uttarakhand	220	192	434	111	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	**3.47%**

(iii)%age of times Angular Difference on Important Buses was beyond permissible limits(40 deg.)

Rihand - Dadri	**0.00%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 12.02.2016 :

Normal

XV. Synchronisation of new generating units :

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

0.00

0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 12.02.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER