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 15.02.2016
Date of Reporting : 16.02.2016

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
37908	1634	39542	50.05	29708	930	30638	50.04	833.6	52.54

* 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	37.22	7.34		44.56	57.47	57.68	0.21	102.24	0.00
Haryana	37.73	0.25		37.97	79.67	79.26	-0.41	117.24	0.00
Rajasthan	116.46	4.85	21.76	143.08	69.41	71.13	1.72	214.21	0.00
Delhi	13.90			13.90	45.47	45.66	0.18	59.55	0.04
UP	118.80	4.70		123.50	107.63	109.38	1.75	232.88	42.16
Uttarakhand		9.75		9.75	24.30	24.99	0.69	34.74	0.00
HP		2.97		2.97	21.45	22.63	1.18	25.60	0.09
J & K		5.04	0.00	5.04	38.51	38.53	0.02	43.57	10.25
Chandigarh				0.00	3.37	3.57	0.27	3.57	0.00
Total	**324.11**	**34.89**	**21.76**	**380.76**	**447.28**	**452.83**	**5.62**	**833.59**	**52.54**

* 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	4769	0	81	-332	3033	0	41	223	5186
Haryana	6316	0	16	-106	3134	0	-109	-129	6316
Rajasthan	8703	0	380	214	8265	0	-62	663	10187
Delhi	2902	0	-154	-712	1414	0	19	-1530	3486
UP	10050	1135	-332	-605	10219	625	276	105	10533
Uttarakhand	1777	0	54	595	1097	0	0	311	1854
HP	1205	0	29	489	733	0	73	267	1418
J&K	1996	499	35	805	1726	305	3	724	2008
Chandigarh	190	0	15	0	88	0	10	-30	208
Total	**37908**	**1634**	**124**	**349**	**29708**	**930**	**252**	**603**	**38906**

* 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	1876	1998	1702	43.87	1828	44.00	-0.13
	Rihand I STPS (2*500)	1000	847	775	626	17.67	736	18.12	-0.45
	Rihand II STPS (2*500)	1000	970	883	666	20.48	853	21.02	-0.54
	Rihand III STPS (2*500)	1000	974	959	691	21.50	896	22.29	-0.80
	Dadri I STPS (4*210)	840	815	610	591	13.48	562	13.88	-0.40
	Dadri II STPS (2*490)	980	980	766	692	16.92	705	17.56	-0.63
	Unchahar I TPS (2*210)	420	402	408	327	8.41	350	8.72	-0.31
	Unchahar II TPS (2*210)	420	404	419	308	8.23	343	8.33	-0.11
	Unchahar III TPS (1*220)	210	202	205	150	3.95	165	4.09	-0.14
	ISTPP (Jhajjhar) (3*500)	1500	1475	997	624	17.56	732	17.97	-0.41
	Dadri GPS (4*130.19+2*154.51)	830	816	485	498	11.49	479	11.75	-0.26
	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	657	295	294	6.91	288	7.13	-0.22
	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	0.04	2	0.05	-0.01
	KHEP	800	655	0	0	2.04	85	1.97	0.08
	Sub Total (A)	**12112**	**11490**	**8800**	**7169**	**193**	**8024**	**197**	**-4**
B. NPC	NAPS (2*220)	440	408	450	453	9.91	413	9.79	0.12
	RAPS- B (2*220)	440	387	426	431	9.26	386	9.29	-0.03
	RAPS- C (2*220)	440	425	457	454	9.91	413	10.20	-0.29
	Sub Total (B)	**1320**	**1220**	**1333**	**1338**	**29.08**	**1211**	**29.28**	**-0.20**
C. NHPC	Chamera I HPS (3*180)	540	360	366	0	2.47	103	2.20	0.27
	Chamera II HPS (3*100)	300	200	204	0	1.10	46	1.08	0.02
	Chamera III HPS (3*77)	231	175	181	0	0.57	24	0.52	0.04
	Bairasuil HPS(3*60)	180	150	177	0	0.45	19	0.45	0.00
	Salal-HPS (6*115)	690	108	230	90	3.12	130	2.58	0.55
	Tanakpur-HPS (3*40)	94	15	15	14	0.41	17	0.38	0.04
	Uri-I HPS (4*120)	480	218	227	220	5.46	227	5.22	0.23
	Uri-II HPS (4*60)	240	141	143	175	3.47	144	3.38	0.09
	Dhauliganga-HPS (4*70)	280	210	213	0	0.81	34	0.70	0.11
	Dulhasti-HPS (3*130)	390	386	393	0	2.33	97	2.10	0.23
	Sewa-II HPS (3*40)	120	119	107	0	0.36	15	0.37	-0.01
	Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
	Sub Total (C)	**4065**	**2082**	**2257**	**499**	**21**	**856**	**19**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1613	0	6.60	275	6.51	0.09
	Rampur HEP (6*68.67)	412	275	292	0	1.65	69	1.54	0.11
	Sub Total (D)	**1912**	**1880**	**1905**	**0**	**8.25**	**344**	**8.05**	**0.20**
E. THDC	Tehri HPS (4*250)	1000	796	796	0	7.69	321	7.60	0.09
	Koteshwar HPS (4*100)	400	130	403	92	3.17	132	3.13	0.04
	Sub Total (E)	**1400**	**926**	**1199**	**92**	**10.86**	**453**	**10.73**	**0.13**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	683	1151	582	16.64	693	16.40	0.24
	Dehar HPS (6*165)	990	114	495	0	2.65	111	2.74	-0.08
	Pong HPS (6*66)	396	302	308	246	7.02	292	7.25	-0.23
	Sub Total (F)	**2765**	**1100**	**1954**	**828**	**26.31**	**1096**	**26.39**	**-0.08**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.37	15	0.35	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	299	296	7.07	295	7.11	-0.04
	Budhil HPS(IPP) (2*35)	70	0	34	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	958	296	11.11	463	11.35	-0.24
H. Total Regional Entities (A-G)		**25237**	**18698**	**18405**	**10222**	**298.73**	**12447**	**301.70**	**-2.98**

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	3.78	158
	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	-0.09	-4
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1266	690	24.04	1001
	Talwandi Saboo (2*660)	1320	330	340	9.52	396
	Thermal (Total)	**5360**	**1756**	**1190**	**37.22**	**1551**
	Total Hydro	1000	304	306	7.34	306
	Total Punjab	**6360**	**2060**	**1496**	**44.56**	**1857**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	630	591	14.18	591
	DCRTPP (Yamuna nagar) (2*300)	600	553	451	12.08	503
	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	555	370	11.47	478
	Thermal (Total)	**4944**	**1738**	**1412**	**37.73**	**1572**
	Total Hydro	62	10	16	0.25	10
	Total Haryana	**5006**	**1748**	**1428**	**37.97**	**1582**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	770	842	19.93	830
	suratgarh TPS (6*250)	1500	389	562	11.87	494
	Chabra TPS (4*250)	1000	576	568	13.55	565
	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	223	196	4.65	194
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	177	176	4.10	171
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	718	664	15.45	644
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	941	844	22.23	926
	Kawai(Adani) (2*660)	1320	961	880	24.69	1029
	Thermal (Total)	**8876**	**4755**	**4732**	**116**	**4853**
	Total Hydro	550	183	160	4.85	202
	Wind power	3214	558	776	18.43	768
	Biomass	99	20	20	0.49	20
	Solar	730	0	0	2.85	119
	Renewable/Others (Total)	4043	578	796	21.76	907
	Total Rajasthan	**13469**	**5516**	**5688**	**143.08**	**5962**
UP	Anpara TPS (3*210+2*500)	1630	741	622	16.00	667
	Obra TPS (2*50+2*94+5*200)	1194	462	460	10.90	454
	Paricha TPS (2*110+2*220+2*250)	1140	763	749	18.00	750
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	550	538	12.90	538
	Tanda TPS (NTPC) (4*110)	440	370	390	8.80	367
	Roza TPS (IPP) (4*300)	1200	536	549	12.20	508
	Anpara-C (IPP) (2*600)	1200	545	999	20.80	867
	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**	**3967**	**4307**	**100**	**4150**
	Vishnuparyag HPS (IPP)(4*110)	440	64	62	1.50	63
	Alaknanada(4*82.5)	330	82	0	0.10	4
	Other Hydro	527	99	148	3.10	129
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**5012**	**5317**	**123**	**5146**
Uttarakhand	Total Hydro	1398	570	277	9.75	406
	Total Uttarakhand	**1398**	**570**	**277**	**9.75**	**406**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.92	39
	Pragati Gas Turbine (2x104+ 1x122)	330	146	146	3.49	145
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	249	252	6.02	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	157	160	3.48	145
	Thermal (Total)	2917	589	594	13.90	579
	Total Delhi	**2917**	**589**	**594**	**13.90**	**579**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.95	39
	Malana HPS (IPP) (2*43)	86	0	0	0.17	7
	Other Hydro	878	105	44	1.86	77
	Total HP	**1264**	**105**	**44**	**2.97**	**124**
J & K	Baglihar HPS (IPP) (3*150)	450	142	142	3.41	142
	Other Hydro/IPP	560	86	52	1.63	68
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**228**	**194**	**5.04**	210
Total State Control Area Generation		**45161**	**15828**	**15038**	**380.76**	**15865**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6460.49**	**5189.75**	**164.86**	**6869**
Total Regional Availability(Gross)		**70398**	**40694**	**30450**	**844.35**	**35181**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**7939**	**1419**	**71.91**	**2996**
State Control Area Hydro	**6581**	**1645**	**1207**	**35**	**1454**
Total Regional Hydro	**18815**	**9584**	**2626**	**106.80**	**4450**

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	-300	0	500	0.00	7.58	-7.58
765 KV Gwalior-Agra (D/C)	2422	2291	3420	0	68.97	0.00	68.97
400 KV Zerda-Kankroli	-136	-238	7	244	0.00	1.82	-1.82
400 KV Zerda-Bhinmal	-71	-158	142	195	0.03	0.00	0.03
220 KV Auraiya-Malanpur	-98	-88	0	103	0.00	1.91	-1.91
220 KV Badod-Kota/Morak	13	4	64	0	1.00	0.00	1.00
Mundra-Mohindergarh(HVDC Bipole)	2498	2203	2506	0	57.41	0.00	57.41
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	928	677	1340	0	24.85	0.00	24.85
Sub Total WR	**5056**	**4391**			**152.26**	**11.31**	**140.95**
Pusauli Bypass/HVDC	410	300	300	410	2.87	3.35	-0.48
400 KV MZP- GKP (D/C)	-440	-412	0	618	0.00	8.23	-8.23
400 KV Patna-Balia(D/C) X 2	549	556	775	0	14.13	0.00	14.13
400 KV B'Sharif-Balia (D/C)	-79	-130	0	221	0.00	1.39	-1.39
765 KV Gaya-Balia	215	145	319	0	2.58	0.00	2.58
765 KV Gaya-Fatehpur	150	10	317	0	4.08	0.00	4.08
220 KV Pusauli-Sahupuri	141	114	178	0	2.99	0.00	2.99
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-22	-27	0	33	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	17	-233	218	243	0.00	0.19	-0.19
400 KV Barh -GKP (D/C)	464	476	540	0	11.02	0.00	11.02
Sub Total ER	**1404**	**799**			**37.66**	**13.74**	**23.91**
+/- 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	**6460**	**5190**			**189.91**	**25.05**	**164.86**

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
32.00	0.08	32.08	3.07	-2.95	-0.14	22.19	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
35.01	136.16	171.17	23.91	140.95	164.86	-11.10	4.79	-6.31

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	-0.71

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	3.23	40.37	72.78	18.54	5.59	0.66	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)	
50.26	5.03	49.80	22.04	50.01	0.036	0.059	50.19	49.97	27.22

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	00:50	398	22:17	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	05:02	403	22:17	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	422	05:04	402	09:32	0.0	0.0	0.6	0.0	0.6
Kanpur	400	420	05:02	405	09:36	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	04:02	403	10:14	0.0	0.0	18.4	0.0	18.4
Ballabhgarh	400	432	04:02	409	09:32	0.0	0.0	39.3	5.7	39.3
Bawana	400	432	02:02	409	09:35	0.0	0.0	46.5	1.7	46.5
Bassi	400	426	05:00	397	09:32	0.0	0.0	9.7	0.0	9.7
Hissar	400	423	01:59	398	10:12	0.0	0.0	15.5	0.0	15.5
Moga	400	424	01:59	398	11:47	0.0	0.0	18.8	0.0	18.8
Abdullapur	400	426	02:02	405	06:49	0.0	0.0	24.8	0.0	24.8
Nalagarh	400	435	01:59	408	11:47	0.0	0.0	54.2	21.4	54.2
Kishenpur	400	425	01:06	395	10:20	0.0	0.0	16.2	0.0	16.2
Wagoora	400	398	02:58	368	10:06	48.0	75.8	0.0	0.0	48.0
Amritsar	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Kashipur	400	422	04:59	412	09:32	0.0	0.0	8.3	0.0	8.3
Hamirpur	400	428	02:05	401	12:13	0.0	0.0	11.3	0.0	11.3
Rishikesh	400	419	05:03	393	09:35	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	769	20:53	740	22:12	0.0	1.0	0.0	0.0	0.0
Balia	765	763	20:51	744	22:13	0.0	0.0	0.0	0.0	0.0
Moga	765	804	02:02	761	09:10	0.0	0.0	6.8	0.0	6.8
Agra	765	794	05:03	754	09:35	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	02:01	766	09:38	0.0	0.0	22.5	0.0	22.5
Unnao	765	773	05:03	745	10:12	0.0	0.0	0.0	0.0	0.0
Lucknow	765	792	16:06	758	10:12	0.0	0.0	0.0	0.0	0.0
Meerut	765	815	20:53	772	10:12	0.0	0.0	28.9	0.0	28.9
Jhatikara	765					0.0	0.0	31.2	0.0	31.2
Bareilly 765 kV	765	792	05:02	757	09:35	0.0	0.0	0.0	0.0	0.0
Anta	765	782	02:02	760	09:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	05:01	754	09:19	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	491.65	788.17	486.74	636.01	132.98	524.23
Pong	426.72	384.05	401.78	259.17	399.58	209.93	53.89	504.44
Tehri	829.79	740.04	780.25	333.10	790.95	453.12	61.38	226.00
Koteshwar	612.50	598.50	611.17	4.95	610.11	4.69	226.00	209.00
Chamera-I	760.00	748.75	757.68	0.00	0.00	0.00	57.61	66.41
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	495.77	0.00	501.21	2.83	52.17	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	-96	319	0	-271	-61	0	-2.67	6.38	3.72
Delhi	-1030	-500	0	-704	-8	0	-17.72	-3.46	-21.18
Haryana	-344	215	0	-369	263	0	-9.40	5.79	-3.61
HP	166	101	0	464	26	0	9.49	-0.50	8.99
J&K	724	0	0	791	14	0	16.14	-0.05	16.09
CHD	-30	0	0	0	0	0	-0.24	-0.07	-0.32
Rajasthan	-3	663	3	-3	215	3	8.58	12.73	21.31
UP	105	0	0	-605	0	0	-8.31	0.00	-8.31
Uttarakhand	193	118	0	193	402	0	4.75	5.64	10.39
Total	**-316**	**917**	**3**	**-504**	**850**	**3**	**0.61**	**26.46**	**27.07**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-271	322	-61	0	0
Delhi	-502	-1060	222	-505	0	0
Haryana	-297	-572	285	59	0	0
HP	538	166	101	-534	0	0
J&K	791	589	98	-152	0	0
CHD	0	-30	0	-36	0	0
Rajasthan	847	-3	685	-546	3	2
UP	170	-628	0	0	0	0
Uttarakhand	221	193	402	106	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%**

(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 15.02.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
765kV Main and Tie bay of 765kV Ballia-Varanasi at Ballia firtst time charged at 2048Hrs of 15.02.2016
0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 15.02.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**