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 08.02.2016
Date of Reporting : 09.02.2016

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
37730	1878	39608	50.08	28824	403	29227	50.10	822.1	40.86

* 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	37.75	7.56		45.31	53.22	53.92	0.70	99.23	0.00
Haryana	46.73	0.39		47.12	70.11	69.29	-0.82	116.41	0.06
Rajasthan	129.70	4.46	5.30	139.46	69.16	70.37	1.21	209.83	0.00
Delhi	14.51			14.51	47.29	47.40	0.11	61.91	0.00
UP	127.77	4.70		132.47	94.02	96.21	2.19	228.68	30.34
Uttarakhand		10.87		10.87	21.33	21.94	0.61	32.81	0.00
HP		3.45		3.45	21.78	21.71	-0.07	25.16	0.00
J & K		5.67	0.00	5.67	37.99	38.76	0.77	44.42	10.46
Chandigarh				0.00	3.67	3.64	0.27	3.64	0.00
Total	**356.47**	**37.09**	**5.30**	**398.86**	**418.57**	**423.24**	**4.97**	**822.09**	**40.86**

* 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	4871	0	156	-230	2832	0	16	140	5092
Haryana	6428	0	-8	-117	3376	0	-73	-121	6428
Rajasthan	8638	0	-59	356	8445	0	149	608	9854
Delhi	2747	0	-439	-473	1431	0	-9	-1402	3606
UP	9766	1365	166	-510	9255	95	11	101	10301
Uttarakhand	1812	0	77	597	940	0	-133	339	1812
HP	1226	0	-57	497	713	0	76	320	1361
J&K	2052	513	92	802	1743	308	23	721	2052
Chandigarh	190	0	-8	-20	89	0	-1	-31	210
Total	**37730**	**1878**	**-80**	**901**	**28824**	**403**	**59**	**675**	**38664**

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

Diversity is 1.05

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	1516	1536	1467	34.37	1432	33.81	0.56
	Rihand I STPS (2*500)	1000	859	915	661	18.14	756	18.13	0.01
	Rihand II STPS (2*500)	1000	958	1004	676	20.02	834	19.82	0.19
	Rihand III STPS (2*500)	1000	974	1006	656	20.74	864	20.81	-0.06
	Dadri I STPS (4*210)	840	815	596	590	13.63	568	14.07	-0.43
	Dadri II STPS (2*490)	980	980	706	709	17.23	718	17.74	-0.51
	Unchahar I TPS (2*210)	420	406	309	308	7.35	306	7.51	-0.16
	Unchahar II TPS (2*210)	420	404	302	308	7.35	306	7.37	-0.02
	Unchahar III TPS (1*220)	210	202	152	153	3.60	150	3.69	-0.10
	ISTPP (Jhajjhar) (3*500)	1500	1475	625	621	14.09	587	14.38	-0.30
	Dadri GPS (4*130.19+2*154.51)	830	815	444	495	10.80	450	11.49	-0.70
	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	249	292	6.10	254	6.43	-0.33
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.02	0.00
	Singrauli Solar	15	2	0	0	0.05	2	0.04	0.00
	KHEP	800	872	759	0	2.65	110	2.62	0.03
	Sub Total (A)	**12112**	**11352**	**8603**	**6936**	**176**	**7339**	**178**	**-2**
B. NPC	NAPS (2*220)	440	410	439	455	9.83	410	9.84	-0.01
	RAPS- B (2*220)	440	384	425	431	9.27	386	9.22	0.06
	RAPS- C (2*220)	440	425	456	458	9.96	415	10.20	-0.24
	Sub Total (B)	**1320**	**1219**	**1320**	**1344**	**29.06**	**1211**	**29.26**	**-0.19**
C. NHPC	Chamera I HPS (3*180)	540	360	366	0	2.04	85	1.89	0.14
	Chamera II HPS (3*100)	300	200	203	0	1.02	43	0.99	0.03
	Chamera III HPS (3*77)	231	167	170	0	0.54	22	0.50	0.04
	Bairasuil HPS(3*60)	180	179	124	0	0.46	19	0.45	0.01
	Salal-HPS (6*115)	690	106	230	110	3.17	132	2.55	0.62
	Tanakpur-HPS (3*40)	94	17	13	15	0.46	19	0.40	0.06
	Uri-I HPS (4*120)	480	183	218	144	4.62	192	4.35	0.27
	Uri-II HPS (4*60)	240	108	93	161	2.72	113	2.59	0.13
	Dhauliganga-HPS (4*70)	280	210	205	0	0.74	31	0.70	0.05
	Dulhasti-HPS (3*130)	390	386	393	0	2.56	107	2.30	0.26
	Sewa-II HPS (3*40)	120	119	116	0	0.33	14	0.35	-0.02
	Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
	Sub Total (C)	**4065**	**2033**	**2130**	**429**	**19**	**777**	**17**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1618	0	7.08	295	6.88	0.20
	Rampur HEP (6*68.67)	412	412	446	0	2.02	84	1.90	0.11
	Sub Total (D)	**1912**	**2017**	**2064**	**0**	**9.10**	**379**	**8.78**	**0.32**
E. THDC	Tehri HPS (4*250)	1000	832	821	0	7.37	307	7.40	-0.03
	Koteshwar HPS (4*100)	400	128	90	90	3.12	130	3.08	0.04
	Sub Total (E)	**1400**	**960**	**911**	**90**	**10.50**	**437**	**10.48**	**0.02**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	687	1213	388	16.67	694	16.50	0.17
	Dehar HPS (6*165)	990	123	495	0	3.06	127	2.96	0.10
	Pong HPS (6*66)	396	297	376	60	6.97	290	7.12	-0.15
	Sub Total (F)	**2765**	**1107**	**2084**	**448**	**26.69**	**1112**	**26.57**	**0.11**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.37	15	0.36	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250	1000	0	625	0	3.38	141	3.58	-0.20
	Malana Stg-II HPS (2*50)	100	0	0	0	0.16	7	0.15	0.01
	Shree Cement TPS (2*150)	300	0	273	147	4.85	202	5.23	-0.39
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	933	147	8.89	371	9.46	-0.57
H. Total Regional Entities (A-G)		**25237**	**18688**	**18045**	**9395**	**279.03**	**11626**	**279.57**	**-0.54**

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	210	160	3.88	162
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.10	-4
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1256	697	23.74	989
	Talwandi Saboo (2*660)	1320	350	341	10.25	427
	Thermal (Total)	**5360**	**1816**	**1198**	**37.75**	**1573**
	Total Hydro	1000	299	302	7.56	315
	Total Punjab	**6360**	**2115**	**1500**	**45.31**	**1888**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	629	584	13.87	578
	DCRTPP (Yamuna nagar) (2*300)	600	552	455	11.73	489
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1095	783	21.14	881
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**2276**	**1822**	**46.73**	**1947**
	Total Hydro	62	9	17	0.39	16
	Total Haryana	**5006**	**2285**	**1839**	**47.12**	**1963**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	872	873	21.55	898
	suratgarh TPS (6*250)	1500	760	762	18.88	787
	Chabra TPS (4*250)	1000	565	618	14.15	589
	Dholpur GPS (3*110)	330	107	106	2.37	99
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	193	185	4.79	200
	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	614	748	17.62	734
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	882	851	21.45	894
	Kawai(Adani) (2*660)	1320	885	932	24.79	1033
	Thermal (Total)	**8876**	**5055**	**5251**	**130**	**5404**
	Total Hydro	550	241	144	4.46	186
	Wind power	3214	12	326	4.53	189
	Biomass	99	23	23	0.55	23
	Solar	730	4	0	0.23	9
	Renewable/Others (Total)	4043	39	349	5.30	221
	Total Rajasthan	**13469**	**5335**	**5744**	**139.46**	**5811**
UP	Anpara TPS (3*210+2*500)	1630	1245	1227	29.60	1233
	Obra TPS (2*50+2*94+5*200)	1194	476	440	10.70	446
	Paricha TPS (2*110+2*220+2*250)	1140	584	600	16.70	696
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	319	433	10.30	429
	Tanda TPS (NTPC) (4*110)	440	288	280	8.27	345
	Roza TPS (IPP) (4*300)	1200	378	378	10.90	454
	Anpara-C (IPP) (2*600)	1200	990	928	22.10	921
	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**	**4280**	**4286**	**109**	**4524**
	Vishnuparyag HPS (IPP)(4*110)	440	63	60	1.50	63
	Alaknanada(4*82.5)	330	64	0	1.10	46
	Other Hydro	527	64	21	2.10	88
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**5271**	**5167**	**132**	**5520**
Uttarakhand	Total Hydro	1398	557	377	10.87	453
	Total Uttarakhand	**1398**	**557**	**377**	**10.87**	**453**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	33	0	0.96	40
	Pragati Gas Turbine (2x104+ 1x122)	330	140	0	3.46	144
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	0	6.25	260
	Badarpur TPS (NTPC) (3*95+2*210)	705	159	0	3.85	160
	Thermal (Total)	2917	582	0	14.51	605
	Total Delhi	**2917**	**582**	**0**	**14.51**	**605**
HP	Baspa HPS (IPP) (3*100)	300	56	0	0.94	39
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	878	123	60	2.32	97
	Total HP	**1264**	**179**	**60**	**3.45**	**144**
J & K	Baglihar HPS (IPP) (3*150)	450	142	142	3.84	160
	Other Hydro/IPP	560	95	72	1.83	76
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**237**	**214**	**5.67**	236
Total State Control Area Generation		**45161**	**16561**	**14901**	**398.86**	**16619**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6956.86**	**5628.05**	**169.97**	**7082**
Total Regional Availability(Gross)		**70398**	**41563**	**29924**	**847.86**	**35327**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8573**	**967**	**71.49**	**2979**
State Control Area Hydro	**6581**	**1713**	**1195**	**37**	**1545**
Total Regional Hydro	**18815**	**10286**	**2162**	**108.58**	**4524**

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	50	0.86	0.95	-0.09
765 KV Gwalior-Agra (D/C)	2355	1979	3065	0	63.15	0.00	63.15
400 KV Zerda-Kankroli	-10	-184	76	244	0.00	1.11	-1.11
400 KV Zerda-Bhinmal	94	-91	208	167	1.29	0.00	1.29
220 KV Auraiya-Malanpur	-103	-108	0	128	0.00	2.01	-2.01
220 KV Badod-Kota/Morak	19	-9	49	12	0.42	0.00	0.42
Mundra-Mohindergarh(HVDC Bipole)	2502	2198	2505	0	58.70	0.00	58.70
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	907	734	1146	0	24.01	0.00	24.01
Sub Total WR	**5914**	**4469**			**148.43**	**4.08**	**144.36**
Pusauli Bypass/HVDC	400	400	400	0	8.97	0.00	8.97
400 KV MZP- GKP (D/C)	-424	-302	0	544	0.00	8.04	-8.04
400 KV Patna-Balia(D/C) X 2	515	587	658	0	11.81	0.00	11.81
400 KV B'Sharif-Balia (D/C)	-77	-210	0	275	0.00	3.12	-3.12
765 KV Gaya-Balia	179	103	250	0	1.69	0.00	1.69
765 KV Gaya-Fatehpur	99	97	273	0	3.67	0.00	3.67
220 KV Pusauli-Sahupuri	135	144	175	0	3.07	0.00	3.07
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-24	-22	0	30	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-186	-154	1	197	0.00	2.72	-2.72
400 KV Barh -GKP (D/C)	426	516	528	0	10.85	0.00	10.85
Sub Total ER	**1043**	**1159**			**40.05**	**14.44**	**25.62**
+/- 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	**6957**	**5628**			**188.49**	**18.51**	**169.97**

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
28.33	0.16	28.48	3.14	-1.99	0.03	22.11	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
31.65	135.15	166.80	25.62	144.36	169.97	-6.04	9.20	3.17

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	-27	-29	0	30	0	1	-0.70

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	0.30	4.74	45.60	72.82	17.22	5.31	0.00	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)	
50.19	22.00	49.75	6.39	50.00	0.039	0.062	50.19	50.00	27.18

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	04:19	398	10:08	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	05:16	403	10:12	0.0	0.0	1.3	0.0	1.3
Bareilly(PG)400kV	400	425	05:01	384	07:08	0.0	0.0	18.9	0.0	18.9
Kanpur	400	422	05:00	404	09:10	0.0	0.0	1.1	0.0	1.1
Dadri	400	426	01:50	407	12:09	0.0	0.0	27.1	0.0	27.1
Ballabhgarh	400	433	05:00	408	12:09	0.0	0.0	45.7	13.1	45.7
Bawana	400	431	01:58	411	09:51	0.0	0.0	52.0	2.4	52.0
Bassi	400	424	21:28	399	12:12	0.0	0.0	13.9	0.0	13.9
Hissar	400	423	05:01	402	09:12	0.0	0.0	15.9	0.0	15.9
Moga	400	424	01:11	404	08:51	0.0	0.0	25.8	0.0	25.8
Abdullapur	400	425	00:32	408	12:09	0.0	0.0	26.4	0.0	26.4
Nalagarh	400	435	21:20	410	09:10	0.0	0.0	70.8	19.4	70.8
Kishenpur	400	425	01:13	399	07:53	0.0	0.0	23.1	0.0	23.1
Wagoora	400	404	13:01	370	07:53	35.8	62.4	0.0	0.0	35.8
Amritsar	400	430	01:10	406	08:52	0.0	0.0	47.5	0.0	47.5
Kashipur	400	424	03:02	415	09:22	0.0	0.0	26.8	0.0	26.8
Hamirpur	400	425	01:39	399	09:49	0.0	0.0	56.9	0.0	56.9
Rishikesh	400	414	18:02	399	09:08	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	776	21:29	739	09:14	0.0	0.3	0.0	0.0	0.0
Balia	765	22259	17:07	470	15:57	7.1	7.4	0.7	0.7	7.8
Moga	765	801	01:59	763	09:07	0.0	0.0	0.1	0.0	0.1
Agra	765	792	03:01	754	09:13	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	808	01:59	769	09:10	0.0	0.0	23.2	0.0	23.2
Unnao	765	788	18:00	737	09:08	0.0	0.6	0.0	0.0	0.0
Lucknow	765	795	05:02	756	10:35	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	21:28	769	09:10	0.0	0.0	36.7	0.0	36.7
Jhatikara	765					0.0	0.0	37.5	0.0	37.5
Bareilly 765 kV	765	787	21:54	770	13:42	0.0	0.0	0.0	0.0	0.0
Anta	765	782	04:59	759	09:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	05:03	754	09:10	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	493.54	848.04	489.47	719.44	163.27	509.31
Pong	426.72	384.05	403.54	304.55	400.38	230.85	88.04	493.53
Tehri	829.79	740.04	784.00	371.99	794.20	515.00	61.85	210.00
Koteshwar	612.50	598.50	610.93	4.95	610.47	4.95	210.00	206.00
Chamera-I	760.00	748.75	758.28	0.00	0.00	0.00	44.93	54.61
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	495.51	0.70	502.34	0.99	45.45	11.40

*** 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	-102	242	0	-380	150	0	-3.55	4.04	0.49
Delhi	-943	-460	0	-707	234	0	-17.24	0.06	-17.18
Haryana	-348	227	0	-374	257	0	-9.66	3.67	-6.00
HP	194	126	0	511	-14	0	10.56	-0.85	9.71
J&K	721	0	0	788	14	0	16.24	0.05	16.29
CHD	-31	0	0	0	-20	0	-0.24	-0.02	-0.27
Rajasthan	-3	609	3	-3	357	3	8.54	11.23	19.77
UP	101	0	0	-510	0	0	-8.31	0.00	-8.31
Uttarakhand	192	147	0	192	405	0	4.72	6.41	11.13
Total	**-218**	**891**	**3**	**-483**	**1381**	**3**	**1.06**	**24.57**	**25.63**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-74	-380	242	-116	0	0
Delhi	-505	-973	529	-460	0	0
Haryana	-348	-578	276	-210	0	0
HP	585	194	126	-680	0	0
J&K	788	586	98	-153	0	0
CHD	0	-31	20	-26	0	0
Rajasthan	843	-3	629	-8	3	1
UP	165	-642	0	0	0	0
Uttarakhand	220	192	452	72	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	**1.74%**
Simultaneous	**1.74%**

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

WR	**0.00%**
ER	**1.74%**
Simultaneous	**3.13%**

(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 08.02.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
1) FSC (I & II) of 400 kV of Balia – Sohawal Ist time charged at 14:54 & 18:23 hrs from Sohawal end. Both FSCs, however, again tripped at 15:31 & 18:55 hrs respectively.

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 08.02.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**