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 10.02.2016
Date of Reporting : 11.02.2016

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
39065	2021	41086	50.03	30627	477	31104	50.06	855.8	41.36

* 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	39.54	7.21		46.75	57.02	58.05	1.02	104.80	0.00
Haryana	44.45	0.36		44.81	76.02	76.72	0.70	121.52	0.00
Rajasthan	122.14	4.84	16.03	143.01	70.48	74.34	3.86	217.35	0.00
Delhi	13.79			13.79	48.24	48.14	-0.10	61.93	0.02
UP	133.77	3.86		137.63	103.45	104.25	0.80	241.88	29.52
Uttarakhand		10.09		10.09	22.08	24.75	2.67	34.84	1.28
HP		3.24		3.24	21.92	22.19	0.27	25.43	0.07
J & K		5.25	0.00	5.25	38.59	39.18	0.58	44.43	10.48
Chandigarh				0.00	3.50	3.65	0.27	3.65	0.00
Total	**353.69**	**34.86**	**16.03**	**404.57**	**441.30**	**451.27**	**10.08**	**855.84**	**41.36**

* 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	5064	0	227	-130	3201	0	152	164	5471
Haryana	6381	0	-388	-79	3590	0	1	-33	6527
Rajasthan	8756	0	-134	306	8494	0	140	671	10412
Delhi	2958	0	-286	-572	1458	0	45	-1428	3637
UP	10664	1505	55	-501	10180	180	64	135	10664
Uttarakhand	1823	0	72	586	1157	0	103	303	1915
HP	1164	0	-91	513	774	0	85	349	1425
J&K	2062	516	84	805	1684	297	10	724	2065
Chandigarh	193	0	5	0	90	0	3	-31	214
Total	**39065**	**2021**	**-456**	**928**	**30627**	**477**	**603**	**855**	**40427**

* 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	1870	1894	1961	44.06	1836	44.34	-0.28
	Rihand I STPS (2*500)	1000	868	927	746	18.31	763	18.93	-0.62
	Rihand II STPS (2*500)	1000	962	905	821	19.37	807	20.36	-0.99
	Rihand III STPS (2*500)	1000	974	1034	923	20.28	845	21.56	-1.28
	Dadri I STPS (4*210)	840	815	684	559	14.00	583	14.43	-0.43
	Dadri II STPS (2*490)	980	980	710	569	17.32	722	17.93	-0.61
	Unchahar I TPS (2*210)	420	406	348	322	7.97	332	8.19	-0.23
	Unchahar II TPS (2*210)	420	404	306	302	7.35	306	7.49	-0.14
	Unchahar III TPS (1*220)	210	202	153	152	3.70	154	3.82	-0.12
	ISTPP (Jhajjhar) (3*500)	1500	1475	619	634	14.68	612	15.17	-0.49
	Dadri GPS (4*130.19+2*154.51)	830	815	495	482	11.28	470	11.59	-0.31
	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	656	298	309	6.92	288	7.20	-0.28
	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	0.00	0	0.04	-0.04
	KHEP	800	872	829	0	2.69	112	2.62	0.07
	Sub Total (A)	**12112**	**11718**	**9202**	**7780**	**188**	**7832**	**194**	**-6**
B. NPC	NAPS (2*220)	440	410	443	449	9.80	408	9.84	-0.04
	RAPS- B (2*220)	440	386	425	431	9.25	385	9.26	-0.02
	RAPS- C (2*220)	440	425	456	460	9.88	412	10.20	-0.32
	Sub Total (B)	**1320**	**1221**	**1324**	**1340**	**28.93**	**1205**	**29.30**	**-0.38**
C. NHPC	Chamera I HPS (3*180)	540	360	368	0	1.99	83	1.90	0.09
	Chamera II HPS (3*100)	300	200	204	0	1.16	48	1.10	0.06
	Chamera III HPS (3*77)	231	185	140	0	0.57	24	0.52	0.05
	Bairasuil HPS(3*60)	180	167	184	0	0.41	17	0.40	0.00
	Salal-HPS (6*115)	690	99	230	114	2.57	107	2.38	0.19
	Tanakpur-HPS (3*40)	94	17	22	16	0.45	19	0.41	0.03
	Uri-I HPS (4*120)	480	185	41	139	4.47	186	4.42	0.05
	Uri-II HPS (4*60)	240	113	121	120	2.77	115	2.69	0.07
	Dhauliganga-HPS (4*70)	280	210	213	0	0.83	35	0.70	0.13
	Dulhasti-HPS (3*130)	390	386	398	0	2.67	111	2.44	0.23
	Sewa-II HPS (3*40)	120	119	118	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**	**2041**	**2039**	**389**	**18**	**760**	**17**	**1**
D.SJVNL	NJPC (6*250)	1500	1605	1609	0	6.76	281	6.75	0.01
	Rampur HEP (6*68.67)	412	412	415	0	1.85	77	1.87	-0.02
	Sub Total (D)	**1912**	**2017**	**2024**	**0**	**8.61**	**359**	**8.61**	**-0.01**
E. THDC	Tehri HPS (4*250)	1000	820	810	0	7.56	315	7.60	-0.04
	Koteshwar HPS (4*100)	400	128	399	91	3.11	130	3.08	0.03
	Sub Total (E)	**1400**	**948**	**1209**	**91**	**10.67**	**445**	**10.68**	**-0.01**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	690	1209	388	16.48	687	16.56	-0.08
	Dehar HPS (6*165)	990	130	495	0	2.94	122	3.12	-0.18
	Pong HPS (6*66)	396	293	316	252	7.08	295	7.03	0.05
	Sub Total (F)	**2765**	**1113**	**2020**	**640**	**26.50**	**1104**	**26.72**	**-0.21**
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	0.17	7	0.16	0.01
	Shree Cement TPS (2*150)	300	0	297	297	7.07	295	7.16	-0.09
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	956	297	11.11	463	11.39	-0.29
H. Total Regional Entities (A-G)		**25237**	**19058**	**18774**	**10537**	**292.04**	**12168**	**297.76**	**-5.71**

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	3.89	162
	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	1379	701	25.13	1047
	Talwandi Saboo (2*660)	1320	336	332	10.63	443
	Thermal (Total)	**5360**	**1925**	**1193**	**39.54**	**1648**
	Total Hydro	1000	303	295	7.21	300
	Total Punjab	**6360**	**2228**	**1488**	**46.75**	**1948**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	433	407	9.55	398
	DCRTPP (Yamuna nagar) (2*300)	600	556	460	12.14	506
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	402	2.91	121
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1099	383	19.85	827
	Thermal (Total)	**4944**	**2088**	**1652**	**44.45**	**1852**
	Total Hydro	62	10	22	0.36	15
	Total Haryana	**5006**	**2098**	**1674**	**44.81**	**1867**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	851	695	20.00	834
	suratgarh TPS (6*250)	1500	561	757	16.34	681
	Chabra TPS (4*250)	1000	572	585	14.02	584
	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	205	206	4.77	199
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	177	178	4.12	172
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	745	948	20.46	852
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	851	846	18.70	779
	Kawai(Adani) (2*660)	1320	861	1176	23.73	989
	Thermal (Total)	**8876**	**4823**	**5391**	**122**	**5089**
	Total Hydro	550	141	160	4.84	202
	Wind power	3214	664	67	12.32	513
	Biomass	99	20	20	0.49	20
	Solar	730	10	0	3.21	134
	Renewable/Others (Total)	4043	694	87	16.03	668
	Total Rajasthan	**13469**	**5658**	**5638**	**143.01**	**5959**
UP	Anpara TPS (3*210+2*500)	1630	1231	1242	29.50	1229
	Obra TPS (2*50+2*94+5*200)	1194	461	438	10.90	454
	Paricha TPS (2*110+2*220+2*250)	1140	790	688	17.50	729
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	525	303	10.50	438
	Tanda TPS (NTPC) (4*110)	440	396	380	8.88	370
	Roza TPS (IPP) (4*300)	1200	360	540	11.63	485
	Anpara-C (IPP) (2*600)	1200	1082	1080	25.66	1069
	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**	**4845**	**4671**	**115**	**4774**
	Vishnuparyag HPS (IPP)(4*110)	440	64	63	1.51	63
	Alaknanada(4*82.5)	330	53	0	0.93	39
	Other Hydro	527	43	17	1.42	59
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**5805**	**5551**	**138**	**5735**
Uttarakhand	Total Hydro	1398	628	254	10.09	421
	Total Uttarakhand	**1398**	**628**	**254**	**10.09**	**421**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	34	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	141	141	3.37	141
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	251	6.03	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	163	3.48	145
	Thermal (Total)	2917	589	589	13.79	575
	Total Delhi	**2917**	**589**	**589**	**13.79**	**575**
HP	Baspa HPS (IPP) (3*100)	300	38	0	0.83	35
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	878	126	57	2.23	93
	Total HP	**1264**	**164**	**57**	**3.24**	**135**
J & K	Baglihar HPS (IPP) (3*150)	450	150	150	3.60	150
	Other Hydro/IPP	560	90	45	1.65	69
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**240**	**195**	**5.25**	219
Total State Control Area Generation		**45161**	**17410**	**15446**	**404.57**	**16857**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6533**	**6653**	**180.38**	**7516**
Total Regional Availability(Gross)		**70398**	**42717**	**32635**	**876.99**	**36541**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8746**	**1120**	**70.61**	**2942**
State Control Area Hydro	**6581**	**1646**	**1063**	**35**	**1452**
Total Regional Hydro	**18815**	**10392**	**2183**	**105.47**	**4395**

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	-300	250	300	2.79	2.09	0.71
765 KV Gwalior-Agra (D/C)	2512	2692	3201	0	68.69	0.00	68.69
400 KV Zerda-Kankroli	-42	-99	45	111	0.00	0.58	-0.58
400 KV Zerda-Bhinmal	8	-7	154	82	0.65	0.00	0.65
220 KV Auraiya-Malanpur	-102	-82	0	118	0.00	1.75	-1.75
220 KV Badod-Kota/Morak	36	-26	54	35	0.11	0.00	0.11
Mundra-Mohindergarh(HVDC Bipole)	2502	2200	2507	0	59.22	0.00	59.22
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	978	963	1232	0	25.96	0.00	25.96
Sub Total WR	**6142**	**5341**			**157.43**	**4.42**	**153.00**
Pusauli Bypass/HVDC	-516	-341	300	516	1.03	7.72	-6.69
400 KV MZP- GKP (D/C)	-354	-112	0	532	0.00	5.45	-5.45
400 KV Patna-Balia(D/C) X 2	506	691	777	0	15.82	0.00	15.82
400 KV B'Sharif-Balia (D/C)	-3	-44	0	173	0.00	0.83	-0.83
765 KV Gaya-Balia	162	204	321	0	2.90	0.00	2.90
765 KV Gaya-Fatehpur	61	169	303	0	4.74	0.00	4.74
220 KV Pusauli-Sahupuri	140	142	160	0	3.29	0.00	3.29
132 KV K'nasa-Sahupuri	0	0	0	0	0.05	0.00	0.05
132 KV Son Ngr-Rihand	-26	-22	0	30	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-8	93	233	140	2.45	0.00	2.45
400 KV Barh -GKP (D/C)	429	532	560	0	11.68	0.00	11.68
Sub Total ER	**391**	**1312**			**41.95**	**14.57**	**27.38**
+/- 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	**6533**	**6653**			**199.37**	**18.99**	**180.38**

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
30.50	0.16	30.65	3.14	-1.99	0.02	20.76	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
33.82	138.86	172.67	27.38	153.00	180.38	-6.44	14.15	7.71

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	-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	1.06	26.71	62.57	26.18	10.02	0.41	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)	
50.28	18.03	49.87	0.09	50.03	0.043	0.057	50.21	50.02	37.43

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	01:13	399	09:25	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	05:02	404	10:20	0.0	0.0	0.6	0.0	0.6
Bareilly(PG)400kV	400	421	05:03	405	09:17	0.0	0.0	0.1	0.0	0.1
Kanpur	400	419	05:01	406	09:19	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	01:11	407	12:18	0.0	0.0	18.4	0.0	18.5
Ballabhgarh	400	430	04:02	411	12:18	0.0	0.0	43.3	0.0	43.3
Bawana	400	428	01:12	410	12:18	0.0	0.0	37.4	0.0	37.4
Bassi	400	426	20:40	399	06:39	0.0	0.0	8.6	0.0	8.6
Hissar	400	421	20:40	401	08:47	0.0	0.0	0.1	0.0	0.1
Moga	400	421	01:15	402	12:10	0.0	0.0	0.9	0.0	0.9
Abdullapur	400	421	01:11	405	12:10	0.0	0.0	4.6	0.0	4.6
Nalagarh	400	433	20:42	409	12:11	0.0	0.0	46.1	0.7	46.1
Kishenpur	400	427	13:01	396	07:48	0.0	0.0	4.6	0.0	4.6
Wagoora	400	410	13:01	368	07:54	35.2	69.8	0.0	0.0	35.2
Amritsar	400	428	20:40	406	12:10	0.0	0.0	32.1	0.0	32.1
Kashipur	400	422	05:02	414	09:14	0.0	0.0	3.2	0.0	3.2
Hamirpur	400	422	01:58	407	11:08	0.0	0.0	46.5	0.0	46.5
Rishikesh	400	417	04:03	397	09:18	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	775	01:14	749	06:37	0.0	0.0	0.0	0.0	0.0
Balia	765	773	05:02	745	10:19	0.0	0.0	0.0	0.0	0.0
Moga	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Agra	765	788	20:37	758	06:40	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	20:41	771	08:49	0.0	0.0	0.7	0.0	0.7
Unnao	765	768	05:02	745	10:19	0.0	0.0	0.0	0.0	0.0
Lucknow	765	789	05:03	760	10:19	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	20:40	777	06:40	0.0	0.0	9.4	0.0	9.4
Jhatikara	765					0.0	0.0	50.9	0.0	50.9
Bareilly 765 kV	765	790	05:02	762	09:18	0.0	0.0	0.0	0.0	0.0
Anta	765	784	18:17	765	00:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	791	20:25	758	12:19	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	493.05	838.00	488.77	700.02	189.16	511.83
Pong	426.72	384.05	403.08	288.96	400.18	223.85	87.58	503.61
Tehri	829.79	740.04	782.95	358.25	793.35	503.66	60.97	217.00
Koteshwar	612.50	598.50	610.77	4.95	610.69	4.95	217.00	204.82
Chamera-I	760.00	748.75	758.15	0.00	0.00	0.00	47.16	53.32
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	495.52	0.05	502.04	3.67	54.24	26.80

*** 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	266	0	-380	249	0	-3.55	4.84	1.29
Delhi	-943	-485	0	-707	134	0	-17.24	-1.95	-19.19
Haryana	-352	318	0	-377	299	0	-9.74	6.15	-3.59
HP	194	154	0	511	2	0	10.56	-0.60	9.96
J&K	724	0	0	791	14	0	16.32	-0.04	16.28
CHD	-31	0	0	0	0	0	-0.24	-0.05	-0.30
Rajasthan	-3	672	2	-3	307	2	8.54	12.87	21.41
UP	135	0	0	-501	0	0	-7.92	0.00	-7.92
Uttarakhand	192	111	0	192	394	0	4.72	3.50	8.23
Total	**-185**	**1037**	**2**	**-473**	**1399**	**2**	**1.45**	**24.71**	**26.16**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-74	-380	266	-69	0	0
Delhi	-505	-973	286	-495	0	0
Haryana	-352	-581	319	-43	0	0
HP	585	194	178	-650	0	0
J&K	791	590	98	-153	0	0
CHD	0	-31	0	-31	0	0
Rajasthan	843	-3	682	29	2	1
UP	180	-632	0	0	0	0
Uttarakhand	220	192	397	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	**0.35%**

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

WR	**0.35%**
ER	**0.00%**
Simultaneous	**22.92%**

(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 10.02.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
1) The 50MVAR Line Reactor of the 400kV Balia-Patna line -1 commissioned at 18:16 Hrs on dt.09.02.2016.
2) The 50 MVAR Line Reactor of the 400kV Balia-Patna line -2 commissioned at 19:12 Hrs on dt.09.02.2016.

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 10.02.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER