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 17.02.2016
Date of Reporting : 18.02.2016

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
38941	1629	40570	50.05	30322	549	30870	50.04	852.9	38.35

* 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	42.55	7.63		50.17	58.40	59.19	0.78	109.36	0.00
Haryana	47.84	0.28		48.11	75.50	75.68	0.17	123.79	0.00
Rajasthan	106.56	4.76	36.77	148.08	62.46	63.66	1.20	211.74	0.00
Delhi	14.78			14.78	46.05	46.36	0.31	61.15	0.04
UP	131.80	4.11		135.91	103.05	103.74	0.69	239.65	27.71
Uttarakhand		9.77		9.77	23.73	25.13	1.40	34.91	0.00
HP		2.97		2.97	21.91	22.29	0.38	25.26	0.37
J & K		5.37	0.00	5.37	37.83	38.08	0.26	43.46	10.23
Chandigarh				0.00	3.43	3.59	0.27	3.59	0.00
Total	**343.52**	**34.89**	**36.77**	**415.17**	**432.36**	**437.72**	**5.47**	**852.90**	**38.35**

* 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	5361	0	75	4	3140	0	57	211	5373
Haryana	6518	0	15	-41	3616	0	64	-172	6518
Rajasthan	8412	0	-238	-164	8282	0	27	679	10060
Delhi	2930	2	-156	-746	1433	0	57	-1565	3521
UP	10557	1095	402	-579	10109	250	-106	135	10557
Uttarakhand	1785	0	55	607	1184	0	132	324	1906
HP	1137	20	-16	465	772	0	62	335	1400
J&K	2049	512	102	781	1694	299	14	724	2049
Chandigarh	192	0	-1	0	92	0	11	-30	209
Total	**38941**	**1629**	**238**	**326**	**30322**	**549**	**318**	**640**	**39500**

* 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	1884	2022	1959	44.67	1861	44.62	0.05
	Rihand I STPS (2*500)	1000	668	833	370	15.02	626	14.42	0.60
	Rihand II STPS (2*500)	1000	958	1003	691	21.02	876	20.61	0.41
	Rihand III STPS (2*500)	1000	938	878	741	20.85	869	20.89	-0.04
	Dadri I STPS (4*210)	840	815	606	607	14.05	585	14.40	-0.35
	Dadri II STPS (2*490)	980	980	779	710	17.42	726	18.13	-0.72
	Unchahar I TPS (2*210)	420	406	390	332	8.23	343	8.42	-0.20
	Unchahar II TPS (2*210)	420	404	349	303	7.44	310	7.52	-0.08
	Unchahar III TPS (1*220)	210	202	174	153	3.61	151	3.68	-0.07
	ISTPP (Jhajjhar) (3*500)	1500	1475	632	632	14.62	609	14.97	-0.35
	Dadri GPS (4*130.19+2*154.51)	830	815	481	492	11.47	478	11.73	-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	656	308	297	6.94	289	7.13	-0.19
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.03	-0.01
	Singrauli Solar	15	1	0	0	0.06	2	0.03	0.02
	KHEP	800	435	0	0	1.34	56	1.31	0.03
	Sub Total (A)	**12112**	**11055**	**8455**	**7287**	**187**	**7782**	**188**	**-1**
B. NPC	NAPS (2*220)	440	413	447	457	9.89	412	9.91	-0.03
	RAPS- B (2*220)	440	386	426	430	9.23	384	9.26	-0.04
	RAPS- C (2*220)	440	425	449	459	9.82	409	10.20	-0.38
	Sub Total (B)	**1320**	**1224**	**1322**	**1346**	**28.93**	**1205**	**29.38**	**-0.45**
C. NHPC	Chamera I HPS (3*180)	540	360	371	0	2.26	94	1.98	0.27
	Chamera II HPS (3*100)	300	200	209	0	1.13	47	1.07	0.06
	Chamera III HPS (3*77)	231	160	154	0	0.52	22	0.48	0.04
	Bairasuil HPS(3*60)	180	154	170	0	0.50	21	0.48	0.02
	Salal-HPS (6*115)	690	107	265	100	3.05	127	2.56	0.49
	Tanakpur-HPS (3*40)	94	16	20	14	0.42	18	0.39	0.03
	Uri-I HPS (4*120)	480	208	230	149	5.21	217	4.99	0.22
	Uri-II HPS (4*60)	240	129	153	175	3.24	135	3.08	0.16
	Dhauliganga-HPS (4*70)	280	280	215	0	0.66	27	0.56	0.10
	Dulhasti-HPS (3*130)	390	387	401	0	2.80	117	2.59	0.21
	Sewa-II HPS (3*40)	120	119	130	0	0.39	16	0.37	0.02
	Parbati 3 (4*130)	520	0	0	0	0.00	0	0.00	0.00
	Sub Total (C)	**4065**	**2119**	**2318**	**438**	**20**	**841**	**19**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1620	0	6.59	275	6.56	0.03
	Rampur HEP (6*68.67)	412	342	300	0	1.71	71	1.66	0.06
	Sub Total (D)	**1912**	**1947**	**1920**	**0**	**8.31**	**346**	**8.22**	**0.08**
E. THDC	Tehri HPS (4*250)	1000	784	782	0	7.52	313	7.49	0.03
	Koteshwar HPS (4*100)	400	130	399	90	3.19	133	3.13	0.06
	Sub Total (E)	**1400**	**914**	**1181**	**90**	**10.71**	**446**	**10.62**	**0.08**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	693	1142	420	16.67	695	16.64	0.03
	Dehar HPS (6*165)	990	117	495	0	2.88	120	2.80	0.08
	Pong HPS (6*66)	396	308	364	243	7.36	307	7.40	-0.04
	Sub Total (F)	**2765**	**1118**	**2001**	**663**	**26.91**	**1121**	**26.84**	**0.07**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.38	16	0.36	0.02
	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	296	296	7.09	296	7.14	-0.05
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.14	6	0.14	0.00
	Sub Total (G)	1662	0	955	296	11.15	465	11.40	-0.25
H. Total Regional Entities (A-G)		**25237**	**18378**	**18153**	**10120**	**292.95**	**12206**	**292.91**	**0.04**

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	4.09	170
	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	-3
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1381	711	26.35	1098
	Talwandi Saboo (2*660)	1320	655	343	12.21	509
	Thermal (Total)	**5360**	**2246**	**1214**	**42.55**	**1773**
	Total Hydro	1000	304	303	7.63	318
	Total Punjab	**6360**	**2550**	**1517**	**50.17**	**2091**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	615	594	14.04	585
	DCRTPP (Yamuna nagar) (2*300)	600	553	457	11.78	491
	Faridabad GPS (NTPC)	432	165	160	4.12	172
	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	1030	383	17.90	746
	Thermal (Total)	**4944**	**2363**	**1594**	**47.84**	**1993**
	Total Hydro	62	9	15	0.28	12
	Total Haryana	**5006**	**2372**	**1609**	**48.11**	**2005**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	859	863	21.14	881
	suratgarh TPS (6*250)	1500	389	384	9.15	381
	Chabra TPS (4*250)	1000	543	583	13.32	555
	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	63	83	1.32	55
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	90	64	1.96	82
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	697	532	15.07	628
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	926	851	21.55	898
	Kawai(Adani) (2*660)	1320	928	860	23.06	961
	Thermal (Total)	**8876**	**4495**	**4220**	**107**	**4440**
	Total Hydro	550	296	158	4.76	198
	Wind power	3214	1167	1455	33.52	1397
	Biomass	99	20	20	0.48	20
	Solar	730	0	0	2.77	115
	Renewable/Others (Total)	4043	1187	1475	36.77	1532
	Total Rajasthan	**13469**	**5978**	**5853**	**148.08**	**6170**
UP	Anpara TPS (3*210+2*500)	1630	1410	1417	33.40	1391
	Obra TPS (2*50+2*94+5*200)	1194	415	430	9.94	414
	Paricha TPS (2*110+2*220+2*250)	1140	790	777	18.64	777
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	443	531	11.99	500
	Tanda TPS (NTPC) (4*110)	440	367	370	8.57	357
	Roza TPS (IPP) (4*300)	1200	549	752	17.30	721
	Anpara-C (IPP) (2*600)	1200	533	536	12.75	531
	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**	**4507**	**4813**	**113**	**4691**
	Vishnuparyag HPS (IPP)(4*110)	440	62	58	1.44	60
	Alaknanada(4*82.5)	330	82	0	0.94	39
	Other Hydro	527	109	15	1.73	72
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**5560**	**5686**	**136**	**5663**
Uttarakhand	Total Hydro	1398	581	275	9.77	407
	Total Uttarakhand	**1398**	**581**	**275**	**9.77**	**407**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	34	36	0.93	39
	Pragati Gas Turbine (2x104+ 1x122)	330	141	140	3.44	143
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	252	5.98	249
	Badarpur TPS (NTPC) (3*95+2*210)	705	160	162	4.45	185
	Thermal (Total)	2917	585	590	14.78	616
	Total Delhi	**2917**	**585**	**590**	**14.78**	**616**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.90	38
	Malana HPS (IPP) (2*43)	86	0	0	0.18	8
	Other Hydro	878	119	47	1.89	79
	Total HP	**1264**	**119**	**47**	**2.97**	**124**
J & K	Baglihar HPS (IPP) (3*150)	450	143	143	3.40	142
	Other Hydro/IPP	560	107	63	1.97	82
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**250**	**206**	**5.37**	224
Total State Control Area Generation		**45161**	**17995**	**15783**	**415.17**	**17299**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5022**	**5639**	**157.31**	**6555**
Total Regional Availability(Gross)		**70398**	**41170**	**31542**	**865.43**	**36060**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8045**	**1191**	**71.36**	**2973**
State Control Area Hydro	**6581**	**1812**	**1077**	**35**	**1454**
Total Regional Hydro	**18815**	**9857**	**2268**	**106.24**	**4427**

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-350	50	350	200	0.65	2.28	-1.63
765 KV Gwalior-Agra (D/C)	2498	2394	3108	0	66.13	0.00	66.13
400 KV Zerda-Kankroli	-216	-230	0	271	0.00	4.30	-4.30
400 KV Zerda-Bhinmal	-130	-175	23	277	0.00	2.96	-2.96
220 KV Auraiya-Malanpur	-88	-97	0	117	0.00	2.12	-2.12
220 KV Badod-Kota/Morak	-34	-51	0	57	0.00	0.53	-0.53
Mundra-Mohindergarh(HVDC Bipole)	2503	2199	2507	0	58.88	0.00	58.88
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	895	714	1156	0	23.97	0.00	23.97
Sub Total WR	**5078**	**4804**			**149.63**	**12.20**	**137.43**
Pusauli Bypass/HVDC	-605	200	250	605	2.92	3.00	-0.07
400 KV MZP- GKP (D/C)	-390	-320	30	572	0.00	7.08	-7.08
400 KV Patna-Balia(D/C) X 2	345	491	605	0	10.69	0.00	10.69
400 KV B'Sharif-Balia (D/C)	-79	-127	162	216	0.00	1.00	-1.00
765 KV Gaya-Balia	133	208	449	0	3.19	0.00	3.19
765 KV Gaya-Fatehpur	0	18	155	0	1.03	0.00	1.03
220 KV Pusauli-Sahupuri	138	155	159	0	3.16	0.00	3.16
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-40	-20	0	40	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	56	-196	295	200	0.00	0.05	-0.05
400 KV Barh -GKP (D/C)	386	426	514	0	10.08	0.00	10.08
Sub Total ER	**-56**	**835**			**31.54**	**11.66**	**19.88**
+/- 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	**5022**	**5639**			**181.17**	**23.86**	**157.31**

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
32.28	0.06	32.34	3.28	-2.25	-0.25	20.39	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
35.36	129.19	164.56	19.88	137.43	157.31	-15.49	8.24	-7.25

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-29	-32	0	33	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	0.07	5.93	52.19	77.09	11.62	5.34	0.06	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)	
50.21	21.55	49.79	18.50	50.00	0.040	0.063	50.22	49.94	22.91

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	02:54	399	10:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	05:03	404	10:23	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	420	05:04	401	09:09	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	05:02	404	09:04	0.0	0.0	0.0	0.0	0.0
Dadri	400	422	02:00	403	09:09	0.0	0.0	16.0	0.0	16.0
Ballabhgarh	400	429	02:00	408	09:04	0.0	0.0	37.1	0.0	37.1
Bawana	400	428	01:58	406	11:19	0.0	0.0	33.0	0.0	33.0
Bassi	400	425	21:52	395	07:42	0.0	0.0	6.9	0.0	6.9
Hissar	400	422	21:20	396	11:10	0.0	0.0	0.3	0.0	0.3
Moga	400	422	21:17	398	11:12	0.0	0.0	0.6	0.0	0.6
Abdullapur	400	425	21:20	403	09:04	0.0	0.0	11.5	0.0	11.5
Nalagarh	400	434	21:14	407	11:21	0.0	0.0	45.2	12.6	45.2
Kishenpur	400	421	02:24	396	07:46	0.0	0.0	3.0	0.0	3.0
Wagoora	400	404	13:01	368	07:46	51.6	81.1	0.0	0.0	51.6
Amritsar	400	428	02:03	402	11:19	0.0	0.0	27.9	0.0	27.9
Kashipur	400	421	03:59	411	09:04	0.0	0.0	5.2	0.0	5.2
Hamirpur	400	425	02:03	401	07:28	0.0	0.0	21.3	0.0	21.3
Rishikesh	400	416	04:02	390	09:04	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	773	21:55	733	09:13	0.0	10.8	0.0	0.0	0.0
Balia	765	771	05:02	739	10:23	0.0	0.8	0.0	0.0	0.0
Moga	765	804	21:19	760	07:47	0.0	0.0	0.7	0.0	0.7
Agra	765	790	21:54	750	09:12	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	771	05:01	740	10:21	0.0	0.5	0.0	0.0	0.0
Lucknow	765	788	05:02	754	10:23	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	21:20	770	09:04	0.0	0.0	11.2	0.0	11.2
Jhatikara	765					0.0	0.0	26.7	0.0	26.7
Bareilly 765 kV	765	790	05:02	514	19:54	0.0	0.0	0.0	0.0	0.0
Anta	765	779	18:03	757	08:39	0.0	0.0	0.0	0.0	0.0
Phagi	765	790	21:49	747	09:51	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	491.05	768.41	485.95	610.73	127.11	526.41
Pong	426.72	384.05	401.21	244.95	399.38	203.01	53.09	523.21
Tehri	829.79	740.04	779.10	309.83	789.95	452.43	63.70	220.00
Koteshwar	612.50	598.50	611.17	5.20	610.24	4.69	220.00	209.74
Chamera-I	760.00	748.75	757.38	0.00	0.00	0.00	49.94	60.50
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	495.79	0.32	500.90	3.06	49.59	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	307	0	-271	275	0	-2.67	6.67	4.00
Delhi	-1038	-527	0	-704	-42	0	-18.08	-4.33	-22.42
Haryana	-314	143	0	-340	299	0	-8.70	6.84	-1.86
HP	164	172	0	534	-69	0	10.17	0.01	10.18
J&K	724	0	0	767	14	0	15.96	-0.14	15.82
CHD	-30	0	0	0	0	0	-0.24	-0.08	-0.33
Rajasthan	-3	679	3	-3	-164	3	8.60	10.00	18.60
UP	135	0	0	-579	0	0	-8.10	0.00	-8.10
Uttarakhand	193	131	0	193	415	0	4.75	5.32	10.06
Total	**-267**	**905**	**3**	**-404**	**728**	**3**	**1.68**	**24.28**	**25.96**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-271	307	198	0	0
Delhi	-502	-1068	115	-532	0	0
Haryana	-268	-543	333	-45	0	0
HP	588	164	196	-516	0	0
J&K	767	589	98	-152	0	0
CHD	0	-30	0	-46	0	0
Rajasthan	850	-3	685	-576	3	2
UP	175	-639	0	0	0	0
Uttarakhand	221	193	415	125	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 17.02.2016 :
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 : 17.02.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER