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 27.02.2016
Date of Reporting : 28.02.2016

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
38771	887	39658	50.00	31183	1096	32279	50.11	859.2	40.07

* 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	41.15	8.32		49.47	57.55	59.23	1.67	108.69	0.00
Haryana	50.87	0.28		51.15	79.28	77.25	-2.03	128.40	0.00
Rajasthan	130.02	4.93	11.56	146.51	64.40	65.83	1.43	212.33	0.00
Delhi	13.74			13.74	42.16	42.38	0.23	56.12	0.01
UP	136.58	2.68		139.26	108.09	109.74	1.65	249.00	30.19
Uttarakhand		9.20		9.20	22.73	25.73	2.99	34.93	0.00
HP		3.98		3.98	20.20	20.64	0.45	24.62	0.05
J & K		5.47	0.00	5.47	36.89	36.26	-0.63	41.73	9.81
Chandigarh				0.00	3.21	3.34	0.27	3.34	0.00
Total	**372.36**	**34.87**	**11.56**	**418.79**	**434.49**	**440.39**	**6.03**	**859.17**	**40.07**

* 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	5543	0	-80	-339	3006	0	181	55	5543
Haryana	5924	0	-309	-94	3903	0	-169	-474	6221
Rajasthan	8349	0	100	-174	8688	0	201	492	10152
Delhi	2648	0	-213	-699	1592	0	65	-1342	3109
UP	11406	405	283	723	10241	800	38	130	12558
Uttarakhand	1728	0	233	448	1206	0	154	300	1785
HP	1067	0	-56	214	777	0	81	225	1356
J&K	1926	482	41	676	1678	296	-20	616	1997
Chandigarh	180	0	1	-10	92	0	9	-30	185
Total	**38771**	**887**	**0**	**745**	**31183**	**1096**	**540**	**-29**	**40794**

* 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	1890	2020	1942	44.54	1856	44.60	-0.05
	Rihand I STPS (2*500)	1000	777	739	699	16.89	704	16.75	0.13
	Rihand II STPS (2*500)	1000	958	1009	743	21.42	893	21.39	0.04
	Rihand III STPS (2*500)	1000	968	1029	871	22.37	932	22.55	-0.19
	Dadri I STPS (4*210)	840	815	435	526	10.92	455	11.47	-0.55
	Dadri II STPS (2*490)	980	980	765	720	17.16	715	17.90	-0.74
	Unchahar I TPS (2*210)	420	406	411	345	8.61	359	8.78	-0.17
	Unchahar II TPS (2*210)	420	404	387	310	7.81	325	7.89	-0.08
	Unchahar III TPS (1*220)	210	202	184	160	3.99	166	4.02	-0.03
	ISTPP (Jhajjhar) (3*500)	1500	950	640	651	14.47	603	14.82	-0.35
	Dadri GPS (4*130.19+2*154.51)	830	810	489	418	11.29	470	11.68	-0.39
	Anta GPS (3*88.71+1*153.2)	419	415	-1	-1	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	493	288	296	6.90	288	7.06	-0.15
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.03	-0.01
	Singrauli Solar	15	2	0	0	0.04	2	0.04	0.00
	KHEP	800	655	652	0	2.43	101	2.30	0.13
	Sub Total (A)	**12112**	**10727**	**9047**	**7681**	**189**	**7870**	**191**	**-2**
B. NPC	NAPS (2*220)	440	410	436	448	9.72	405	9.84	-0.12
	RAPS- B (2*220)	440	385	425	427	9.20	383	9.24	-0.04
	RAPS- C (2*220)	440	425	453	456	9.78	408	10.20	-0.42
	Sub Total (B)	**1320**	**1220**	**1314**	**1331**	**28.70**	**1196**	**29.28**	**-0.58**
C. NHPC	Chamera I HPS (3*180)	540	360	370	0	2.80	117	2.60	0.20
	Chamera II HPS (3*100)	300	300	310	0	1.18	49	1.07	0.11
	Chamera III HPS (3*77)	231	170	177	0	0.54	23	0.51	0.03
	Bairasuil HPS(3*60)	180	182	184	0	0.80	33	0.72	0.08
	Salal-HPS (6*115)	690	110	345	115	2.98	124	2.65	0.33
	Tanakpur-HPS (3*40)	94	16	26	15	0.43	18	0.39	0.04
	Uri-I HPS (4*120)	480	344	351	329	8.56	357	8.23	0.33
	Uri-II HPS (4*60)	240	175	178	175	4.21	176	4.20	0.02
	Dhauliganga-HPS (4*70)	280	210	213	0	0.79	33	0.73	0.06
	Dulhasti-HPS (3*130)	390	387	400	0	2.83	118	2.60	0.23
	Sewa-II HPS (3*40)	120	119	125	0	0.40	16	0.37	0.03
	Parbati 3 (4*130)	520	130	131	0	0.41	17	0.39	0.02
	Sub Total (C)	**4065**	**2502**	**2810**	**634**	**26**	**1080**	**24**	**1**
D.SJVNL	NJPC (6*250)	1500	1605	1610	0	6.63	276	6.55	0.07
	Rampur HEP (6*68.67)	412	375	373	0	1.79	75	1.74	0.04
	Sub Total (D)	**1912**	**1980**	**1983**	**0**	**8.41**	**351**	**8.30**	**0.12**
E. THDC	Tehri HPS (4*250)	1000	744	744	0	7.43	309	7.40	0.03
	Koteshwar HPS (4*100)	400	130	402	90	3.19	133	3.13	0.06
	Sub Total (E)	**1400**	**874**	**1146**	**90**	**10.62**	**443**	**10.53**	**0.09**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	675	1207	386	15.93	664	16.20	-0.26
	Dehar HPS (6*165)	990	135	495	0	3.26	136	3.24	0.02
	Pong HPS (6*66)	396	186	290	59	4.28	179	4.46	-0.18
	Sub Total (F)	**2765**	**996**	**1992**	**445**	**23.48**	**978**	**23.90**	**-0.42**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.42	18	0.41	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250	1000	0	630	0	3.38	141	3.60	-0.22
	Malana Stg-II HPS (2*50)	100	0	0	0	0.21	9	0.20	0.01
	Shree Cement TPS (2*150)	300	0	297	296	7.07	295	7.13	-0.06
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.12	5	0.14	-0.02
	Sub Total (G)	1662	0	927	296	11.20	467	11.48	-0.27
H. Total Regional Entities (A-G)		**25237**	**18300**	**19220**	**10476**	**297.20**	**12384**	**299.21**	**-2.01**

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	3.97	165
	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	-0.07	-3
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	1380	700	25.85	1077
	Talwandi Saboo (2*660)	1320	650	340	11.42	476
	Thermal (Total)	**5360**	**2240**	**1200**	**41.15**	**1715**
	Total Hydro	1000	422	258	8.32	347
	Total Punjab	**6360**	**2662**	**1458**	**49.47**	**2061**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	217	221	5.15	215
	DCRTPP (Yamuna nagar) (2*300)	600	553	459	11.95	498
	Faridabad GPS (NTPC)	432	192	161	4.44	185
	RGTPP (khedar) (IPP) (2*600)	1200	780	569	19.84	827
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	360	361	9.49	395
	Thermal (Total)	**4944**	**2102**	**1771**	**50.87**	**2120**
	Total Hydro	62	10	11	0.28	12
	Total Haryana	**5006**	**2112**	**1782**	**51.15**	**2131**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1035	1028	25.69	1070
	suratgarh TPS (6*250)	1500	760	757	18.49	770
	Chabra TPS (4*250)	1000	596	587	14.00	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	82	89	2.10	88
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	164	91	2.67	111
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	710	842	19.61	817
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	934	862	22.53	939
	Kawai(Adani) (2*660)	1320	947	865	24.93	1039
	Thermal (Total)	**8876**	**5228**	**5121**	**130**	**5417**
	Total Hydro	550	147	196	4.93	206
	Wind power	3214	43	974	8.37	349
	Biomass	99	17	17	0.40	17
	Solar	730	0	0	2.79	116
	Renewable/Others (Total)	4043	60	991	11.56	482
	Total Rajasthan	**13469**	**5435**	**6308**	**146.51**	**6104**
UP	Anpara TPS (3*210+2*500)	1630	1225	1242	29.70	1238
	Obra TPS (2*50+2*94+5*200)	1194	302	272	6.81	284
	Paricha TPS (2*110+2*220+2*250)	1140	811	772	19.00	792
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	306	311	7.40	308
	Tanda TPS (NTPC) (4*110)	440	279	280	6.95	290
	Roza TPS (IPP) (4*300)	1200	824	819	18.40	767
	Anpara-C (IPP) (2*600)	1200	536	536	12.80	533
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	81	81	2.00	83
	Anpara-D(1*500)	500	149	64	0.22	9
	Lalitpur TPS(2*660)	1320	0	0	0.00	0
	Bara(2*660)	1320	543	540	14.10	588
	Thermal (Total)	**11269**	**5056**	**4917**	**117**	**4891**
	Vishnuparyag HPS (IPP)(4*110)	440	0	0	0.00	0
	Alaknanada(4*82.5)	330	82	0	0.98	41
	Other Hydro	527	220	18	1.70	71
	Cogeneration	981	800	800	19.20	800
	Total UP	**13547**	**6158**	**5735**	**139**	**5803**
Uttarakhand	Total Hydro	1398	434	250	9.20	384
	Total Uttarakhand	**1398**	**434**	**250**	**9.20**	**384**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	39	39	0.91	38
	Pragati Gas Turbine (2x104+ 1x122)	330	147	145	3.34	139
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	253	252	6.01	251
	Badarpur TPS (NTPC) (3*95+2*210)	705	162	161	3.49	145
	Thermal (Total)	2917	601	597	13.74	573
	Total Delhi	**2917**	**601**	**597**	**13.74**	**573**
HP	Baspa HPS (IPP) (3*100)	300	0	53	0.89	37
	Malana HPS (IPP) (2*43)	86	0	0	0.22	9
	Other Hydro	878	132	81	2.88	120
	Total HP	**1264**	**132**	**134**	**3.98**	**166**
J & K	Baglihar HPS (IPP) (3*150)	450	113	113	2.71	113
	Other Hydro/IPP	560	138	123	2.76	115
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**251**	**236**	**5.47**	228
Total State Control Area Generation		**45161**	**17785**	**16500**	**418.79**	**17449**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5695.94**	**5570.47**	**157.81**	**6575**
Total Regional Availability(Gross)		**70398**	**42701**	**32547**	**873.80**	**36408**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9213**	**1169**	**74.87**	**3120**
State Control Area Hydro	**6581**	**1698**	**1103**	**35**	**1453**
Total Regional Hydro	**18815**	**10911**	**2272**	**109.74**	**4572**

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	-500	0	500	0.00	9.07	-9.07
765 KV Gwalior-Agra (D/C)	2380	2468	3352	0	67.68	0.00	67.68
400 KV Zerda-Kankroli	-75	-249	65	300	0.00	2.52	-2.52
400 KV Zerda-Bhinmal	45	-184	200	268	0.00	0.41	-0.41
220 KV Auraiya-Malanpur	-138	-104	0	153	0.00	2.52	-2.52
220 KV Badod-Kota/Morak	7	-28	24	31	0.00	0.04	-0.04
Mundra-Mohindergarh(HVDC Bipole)	2197	2297	2306	0	52.94	0.00	52.94
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	912	795	1284	0	22.96	0.00	22.96
Sub Total WR	**5178**	**4495**			**143.58**	**14.56**	**129.01**
Pusauli Bypass/HVDC	400	400	400	0	8.90	0.00	8.90
400 KV MZP- GKP (D/C)	-548	-360	0	570	0.00	9.41	-9.41
400 KV Patna-Balia(D/C) X 2	523	608	740	0	15.65	0.00	15.65
400 KV B'Sharif-Balia (D/C)	-218	-121	0	218	0.00	2.40	-2.40
765 KV Gaya-Balia	8	120	212	0	1.91	0.00	1.91
765 KV Gaya-Fatehpur	68	80	311	0	4.04	0.00	4.04
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
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	-188	-145	79	188	0.00	1.63	-1.63
400 KV Barh -GKP (D/C)	500	520	568	0	12.34	0.00	12.34
Sub Total ER	**518**	**1076**			**42.84**	**14.04**	**28.80**
+/- 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	**5696**	**5570**			**186.41**	**28.60**	**157.81**

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
30.33	0.01	30.35	3.51	-3.84	-0.10	15.81	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
33.76	127.05	160.80	28.80	129.01	157.81	-4.96	1.97	-2.99

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	32	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	0.36	9.43	50.98	69.87	16.82	3.55	0.39	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)	
50.29	18.02	49.75	21.09	49.99	0.047	0.068	50.16	49.92	30.13

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	404	18:07	400	04:50	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	414	01:13	400	22:13	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	01:05	399	17:54	0.0	0.0	0.0	0.0	0.0
Kanpur	400	415	01:40	400	16:39	0.0	0.0	0.0	0.0	0.0
Dadri	400	419	20:54	404	11:18	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	426	02:00	407	11:23	0.0	0.0	29.2	0.0	29.2
Bawana	400	426	01:39	403	11:22	0.0	0.0	27.2	0.0	27.2
Bassi	400	423	21:12	398	08:47	0.0	0.0	3.7	0.0	3.7
Hissar	400	419	20:40	394	11:24	0.0	0.0	0.0	0.0	0.0
Moga	400	422	20:41	398	11:23	0.0	0.0	0.8	0.0	0.8
Abdullapur	400	423	20:57	398	11:18	0.0	0.0	4.5	0.0	4.5
Nalagarh	400	434	20:45	404	11:21	0.0	0.0	37.4	2.8	37.4
Kishenpur	400	418	04:00	397	07:46	0.0	0.0	0.0	0.0	0.0
Wagoora	400	398	13:01	372	19:04	29.4	72.2	0.0	0.0	29.4
Amritsar	400	428	20:37	401	11:22	0.0	0.0	24.9	0.0	24.9
Kashipur	400	421	00:57	411	17:56	0.0	0.0	2.3	0.0	2.3
Hamirpur	400	425	20:39	399	10:08	0.0	0.0	4.9	0.0	4.9
Rishikesh	400	416	01:00	392	18:50	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	768	02:00	743	09:16	0.0	0.0	0.0	0.0	0.0
Balia	765	763	01:40	741	22:13	0.0	0.5	0.0	0.0	0.0
Moga	765	803	20:40	760	11:23	0.0	0.0	1.9	0.0	1.9
Agra	765	788	18:16	755	08:48	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	799	20:38	764	11:20	0.0	0.0	0.0	0.0	0.0
Unnao	765	765	02:01	740	19:16	0.0	2.6	0.0	0.0	0.0
Lucknow	765	781	01:04	755	19:16	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	20:59	768	11:24	0.0	0.0	5.5	0.0	5.5
Jhatikara	765					0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	786	01:00	760	09:12	0.0	0.0	0.0	0.0	0.0
Anta	765	778	18:04	759	07:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	786	18:04	754	11:24	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	488.30	680.71	482.53	519.70	115.48	522.84
Pong	426.72	384.05	399.09	197.21	399.46	209.93	34.83	311.68
Tehri	829.79	740.04	773.35	244.37	784.80	382.56	77.47	225.00
Koteshwar	612.50	598.50	611.07	5.20	610.54	4.75	225.00	210.23
Chamera-I	760.00	748.75	756.17	0.00	0.00	0.00	63.68	75.12
Rihand	268.22	252.98	845.90	0.00	148.00	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	496.06	1.34	502.06	3.05	74.46	81.18

*** 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	151	0	-617	278	0	-3.71	4.60	0.89
Delhi	-937	-405	0	-628	-71	0	-17.34	-2.82	-20.16
Haryana	-341	-133	0	-367	273	0	-9.48	5.09	-4.39
HP	225	0	0	351	-136	0	10.40	-3.52	6.88
J&K	727	-112	0	623	53	0	15.53	-1.26	14.26
CHD	-30	0	0	0	-10	0	-0.24	-0.20	-0.44
Rajasthan	-7	499	0	-178	2	2	7.25	11.65	18.90
UP	130	0	0	44	678	0	-6.75	2.52	-4.23
Uttarakhand	193	107	0	193	255	0	4.74	4.06	8.81
Total	**-137**	**108**	**0**	**-579**	**1322**	**2**	**0.40**	**20.12**	**20.52**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-68	-617	294	-235	0	0
Delhi	-553	-1052	290	-469	0	0
Haryana	-341	-570	304	-174	0	0
HP	666	225	35	-779	0	0
J&K	727	592	64	-213	0	0
CHD	0	-30	0	-41	0	0
Rajasthan	843	-178	625	-183	2	0
UP	165	-748	678	0	0	0
Uttarakhand	221	193	269	96	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	**1.74%**
ER	**0.00%**
Simultaneous	**0.00%**

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

WR	**7.99%**
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 27.02.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
I 400 kV Meerut-Bagpat-II synchronised first time at 2037 hrs. dated 27/02/16
II 400 kV Kaithal-Bagpat-II synchronised first time at 2026 hrs. dated 27/02/16
III 765 kV Balia-Varanasi charged first time at 1937 hrs. dated 27/02/16
IV 765 kV bus-II at varanasi charged first time at 2111 hrs. dated 27/02/16

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 27.02.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**