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 09.04.2016
Date of Reporting : 10.04.2016

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
35633	1547	37180	49.91	34833	451	35284	50.07	849.4	35.67

* 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	37.14	8.50		45.63	54.55	53.98	-0.57	99.62	0.00
Haryana	30.31	0.25		30.56	79.11	77.32	-1.80	107.88	0.00
Rajasthan	110.70	0.35	17.67	128.72	50.69	52.49	1.80	181.21	0.00
Delhi	11.79			11.79	66.28	65.49	-0.79	77.27	0.13
UP	164.94	4.20		169.14	107.02	107.88	0.86	277.02	25.38
Uttarakhand		8.33		8.33	26.06	27.08	1.02	35.40	0.00
HP		8.09		8.09	14.53	16.14	1.61	24.23	0.01
J & K		9.43	0.00	9.43	30.85	33.50	2.65	42.93	10.16
Chandigarh				0.00	3.87	3.84	0.27	3.84	0.00
Total	**354.88**	**39.15**	**17.67**	**411.69**	**432.95**	**437.72**	**5.07**	**849.41**	**35.67**

* 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	4102	0	-57	-170	3708	0	93	211	4726
Haryana	5768	0	79	658	3993	0	-26	-181	6679
Rajasthan	6874	0	132	431	7475	0	115	419	8178
Delhi	3455	0	-95	-194	3018	0	84	-435	3573
UP	10635	1050	-396	242	12933	200	329	1564	12933
Uttarakhand	1671	0	94	541	1362	0	66	531	1741
HP	978	8	12	-330	804	0	148	89	1236
J&K	1956	489	173	46	1421	251	-90	71	2073
Chandigarh	194	0	-2	-20	119	0	19	-10	197
Total	**35633**	**1547**	**-60**	**1205**	**34833**	**451**	**739**	**2259**	**39564**

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

Diversity is 1.04

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	903	1033	997	22.14	922	20.68	1.46
	Rihand I STPS (2*500)	1000	729	804	801	16.69	696	16.23	0.46
	Rihand II STPS (2*500)	1000	946	1029	1030	21.78	907	21.28	0.50
	Rihand III STPS (2*500)	1000	943	967	1007	21.92	913	21.82	0.11
	Dadri I STPS (4*210)	840	815	648	593	1.36	56	13.92	-12.57
	Dadri II STPS (2*490)	980	485	370	342	0.87	36	9.14	-8.27
	Unchahar I TPS (2*210)	420	345	343	372	7.59	316	7.59	0.00
	Unchahar II TPS (2*210)	420	202	205	200	4.45	185	4.40	0.05
	Unchahar III TPS (1*210)	210	202	153	210	3.87	161	3.96	-0.09
	ISTPP (Jhajjhar) (3*500)	1500	950	717	626	14.94	622	15.20	-0.26
	Dadri GPS (4*130.19+2*154.51)	830	790	378	401	8.96	373	9.17	-0.21
	Anta GPS (3*88.71+1*153.2)	419	265	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	647	294	289	6.86	286	6.93	-0.07
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	2	0	0	0.01	0	0.06	-0.05
	KHEP(4*200)	800	872	649	0	3.76	156	3.50	0.26
	Sub Total (A)	**12112**	**9099**	**7590**	**6868**	**135**	**5635**	**154**	**-19**
B. NPC	NAPS (2*220)	440	399	436	440	9.60	400	9.58	0.03
	RAPS- B (2*220)	440	375	418	423	9.05	377	9.00	0.05
	RAPS- C (2*220)	440	415	441	450	9.62	401	9.96	-0.34
	Sub Total (B)	**1320**	**1189**	**1295**	**1313**	**28.28**	**1178**	**28.54**	**-0.26**
C. NHPC	Chamera I HPS (3*180)	540	534	547	0	6.51	271	6.20	0.31
	Chamera II HPS (3*100)	300	300	304	0	2.30	96	2.18	0.12
	Chamera III HPS (3*77)	231	231	231	0	1.40	58	1.31	0.09
	Bairasuil HPS(3*60)	180	179	182	0	2.33	97	2.34	-0.01
	Salal-HPS (6*115)	690	259	530	330	6.85	285	6.32	0.52
	Tanakpur-HPS (3*40)	94	17	17	17	0.47	19	0.41	0.06
	Uri-I HPS (4*120)	480	465	472	471	11.28	470	11.17	0.11
	Uri-II HPS (4*60)	240	224	227	225	5.39	224	5.37	0.01
	Dhauliganga-HPS (4*70)	280	280	284	0	0.98	41	0.84	0.14
	Dulhasti-HPS (3*130)	390	387	403	129	4.85	202	4.50	0.35
	Sewa-II HPS (3*40)	120	119	121	116	2.77	115	2.70	0.07
	Parbati 3 (4*130)	520	112	265	0	0.59	24	0.57	0.02
	Sub Total (C)	**4065**	**3108**	**3584**	**1288**	**46**	**1904**	**44**	**2**
D.SJVNL	NJPC (6*250)	1500	1350	967	0	8.45	352	8.38	0.07
	Rampur HEP (6*68.67)	412	375	301	0	2.34	98	2.34	0.00
	Sub Total (D)	**1912**	**1725**	**1268**	**0**	**10.79**	**450**	**10.72**	**0.07**
E. THDC	Tehri HPS (4*250)	1000	429	422	0	4.32	180	4.30	0.02
	Koteshwar HPS (4*100)	400	92	102	89	2.23	93	2.20	0.03
	Sub Total (E)	**1400**	**521**	**524**	**89**	**6.55**	**273**	**6.50**	**0.05**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	439	856	388	10.82	451	10.53	0.28
	Dehar HPS (6*165)	990	250	660	165	5.97	249	5.99	-0.02
	Pong HPS (6*66)	396	11	54	0	0.25	10	0.27	-0.02
	Sub Total (F)	**2765**	**700**	**1570**	**553**	**17.04**	**710**	**16.79**	**0.24**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.63	26	0.59	0.04
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	680	150	3.38	141	4.33	-0.95
	Malana Stg-II HPS (2*50)	100	0	0	0	0.34	14	0.36	-0.02
	Shree Cement TPS (2*150)	300	0	171	146	3.66	152	3.51	0.15
	Budhil HPS(IPP) (2*35)	70	0	34	0	0.28	12	0.35	-0.06
	Sub Total (G)	1662	0	885	296	8.28	345	9.13	-0.85
H. Total Regional Entities (A-G)		**25237**	**16341**	**16716**	**10408**	**251.86**	**10494**	**269.51**	**-17.65**

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	157
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.31	96
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	257	203	4.89	204
	Goindwal(GVK)		0	0	-0.14	-6
	Rajpura (2*700)	1400	330	330	9.93	414
	Talwandi Saboo (2*660)	1320	616	616	16.37	682
	Thermal (Total)	**5360**	**1463**	**1409**	**37.14**	**1547**
	Total Hydro	1000	382	387	8.50	354
	Total Punjab	**6360**	**1845**	**1796**	**45.63**	**1901**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	551	469	11.52	480
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1093	781	18.79	783
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1644**	**1250**	**30.31**	**1263**
	Total Hydro	62	8	14	0.25	10
	Total Haryana	**5006**	**1652**	**1264**	**30.56**	**1273**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	706	698	17.14	714
	suratgarh TPS (6*250)	1500	196	194	4.73	197
	Chabra TPS (4*250)	1000	795	762	19.55	815
	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	206	206	5.25	219
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	159	158	3.65	152
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	693	561	14.22	593
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	895	813	21.02	876
	Kawai(Adani) (2*660)	1320	988	1069	25.14	1048
	Thermal (Total)	**8876**	**4638**	**4461**	**111**	**4613**
	Total Hydro	550	22	22	0.35	15
	Wind power	3214	102	729	14.10	588
	Biomass	99	23	23	0.55	23
	Solar	730	0	0	3.02	126
	Renewable/Others (Total)	4043	125	752	17.67	736
	Total Rajasthan	**13469**	**4785**	**5235**	**128.72**	**5363**
UP	Anpara TPS (3*210+2*500)	1630	1226	1225	29.40	1225
	Obra TPS (2*50+2*94+5*200)	1194	445	438	10.40	433
	Paricha TPS (2*110+2*220+2*250)	1140	995	995	23.70	988
	Panki TPS (2*105)	210	78	72	1.70	71
	Harduaganj TPS (1*60+1*105+2*250)	665	541	549	12.90	538
	Tanda TPS (NTPC) (4*110)	440	296	282	7.04	293
	Roza TPS (IPP) (4*300)	1200	995	1107	25.20	1050
	Anpara-C (IPP) (2*600)	1200	1080	1085	25.90	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	403	8.80	367
	Anpara-D(2*500)	500	0	0	0.00	0
	Lalitpur TPS(2*660)	1320	330	502	10.30	429
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**11269**	**6269**	**6658**	**155**	**6473**
	Vishnuparyag HPS (IPP)(4*110)	440	74	74	1.80	75
	Alaknanada(4*82.5)	330	81	75	1.20	50
	Other Hydro	527	63	31	1.20	50
	Cogeneration	981	400	400	9.60	400
	Total UP	**13547**	**6887**	**7238**	**169**	**7048**
Uttarakhand	Total Hydro	1398	496	288	8.33	347
	Total Uttarakhand	**1398**	**496**	**288**	**8.33**	**347**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.88	37
	Pragati Gas Turbine (2x104+ 1x122)	330	150	153	3.67	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0
	Badarpur TPS (NTPC) (3*95+2*210)	705	332	326	7.24	302
	Thermal (Total)	2917	518	515	11.79	491
	Total Delhi	**2917**	**518**	**515**	**11.79**	**491**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.84	35
	Malana HPS (IPP) (2*43)	86	0	0	0.42	17
	Other Hydro	878	294	290	6.83	285
	Total HP	**1264**	**294**	**290**	**8.09**	**337**
J & K	Baglihar HPS (IPP) (3*150)	450	300	150	5.70	238
	Other Hydro/IPP	560	167	125	3.73	156
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**467**	**275**	**9.43**	393
Total State Control Area Generation		**45161**	**16944**	**16901**	**411.69**	**17154**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7424.38**	**7976.53**	**173.14**	**7214**
Total Regional Availability(Gross)		**70398**	**41084**	**35285**	**836.70**	**34862**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8275**	**2080**	**88.17**	**3674**
State Control Area Hydro	**6581**	**1887**	**1456**	**39**	**1631**
Total Regional Hydro	**18815**	**10162**	**3536**	**127.31**	**5305**

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	250	250	0	3.04	0.00	3.04
765 KV Gwalior-Agra (D/C)	2781	2856	3105	0	63.00	0.00	63.00
400 KV Zerda-Kankroli	-36	-201	0	252	0.00	2.21	-2.21
400 KV Zerda-Bhinmal	14	-179	25	292	0.00	3.51	-3.51
220 KV Auraiya-Malanpur	-93	-76	0	98	0.00	1.54	-1.54
220 KV Badod-Kota/Morak	23	4	51	71	0.00	0.43	-0.43
Mundra-Mohindergarh(HVDC Bipole)	2198	2197	2506	0	53.82	0.00	53.82
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	942	1019	1037	0	21.54	0.00	21.54
Sub Total WR	**6079**	**5870**			**141.40**	**7.68**	**133.72**
Pusauli Bypass/HVDC	200	150	200	0	4.14	0.00	4.14
400 KV MZP- GKP (D/C)	62	218	250	68	2.44	0.00	2.44
400 KV Patna-Balia(D/C) X 2	206	381	433	0	6.86	0.00	6.86
400 KV B'Sharif-Balia (D/C)	67	139	169	0	2.63	0.00	2.63
765 KV Gaya-Balia	258	309	339	0	3.35	0.00	3.35
765 KV Gaya-Varanasi -1	9	73	214	49	2.91	0.00	2.91
220 KV Pusauli-Sahupuri	139	131	191	0	3.91	0.00	3.91
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-22	0	35	0.00	0.68	-0.68
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-258	-1	0	258	0.00	2.21	-2.21
400 KV Barh -GKP (D/C)	192	229	243	0	4.38	0.00	4.38
Sub Total ER	**845**	**1607**			**30.61**	**2.89**	**27.72**
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	11.70	0.00	11.70
Sub Total NER	**500**	**500**			**11.70**	**0.00**	**11.70**
Total IR Exch	**7424**	**7977**			**183.71**	**10.57**	**173.14**

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
32.86	0.26	33.12	5.54	6.45	0.00	26.57	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
38.66	141.92	180.58	39.42	133.72	173.14	0.76	-8.20	-7.44

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	-28	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	0.34	9.70	53.53	73.13	13.08	4.10	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)	
50.16	6.02	49.76	19.12	49.99	0.041	0.063	0.00	0.00	26.87

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	00:00	398	21:16	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	08:06	410	01:07	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	417	18:02	400	11:40	0.0	0.0	0.0	0.0	0.0
Kanpur	400	417	08:02	403	11:17	0.0	0.0	0.0	0.0	0.0
Dadri	400	422	02:00	403	11:42	0.0	0.0	12.4	0.0	12.4
Ballabhgarh	400	428	02:54	406	11:44	0.0	0.0	43.1	0.0	43.1
Bawana	400	426	02:54	406	11:35	0.0	0.0	31.9	0.0	31.9
Bassi	400	424	18:01	401	11:44	0.0	0.0	3.3	0.0	3.3
Hissar	400	421	02:01	340	17:37	0.0	0.0	1.6	0.0	1.6
Moga	400	418	05:31	403	11:35	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	425	21:37	408	19:09	0.0	0.0	25.5	0.0	25.5
Nalagarh	400	428	02:52	410	11:35	0.0	0.0	40.3	0.0	40.3
Kishenpur	400	421	03:24	400	19:19	0.0	0.0	0.9	0.0	0.9
Wagoora	400	407	03:50	383	19:17	0.0	20.9	0.0	0.0	0.0
Amritsar	400	424	02:54	404	09:17	0.0	0.0	19.0	0.0	19.0
Kashipur	400	420	18:02	411	11:16	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	02:05	403	11:41	0.0	0.0	12.4	0.0	12.4
Rishikesh	400	413	18:02	388	11:16	0.0	2.8	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	07:20	736	11:17	0.0	7.6	0.0	0.0	0.0
Balia	765	778	08:06	760	19:10	0.0	0.0	0.0	0.0	0.0
Moga	765	799	18:01	768	11:43	0.0	0.0	0.0	0.0	0.0
Agra	765	785	18:01	751	11:42	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	02:00	769	11:30	0.0	0.0	0.0	0.0	0.0
Unnao	765	760	08:04	742	11:16	0.0	0.0	0.0	0.0	0.0
Lucknow	765	785	18:02	765	11:17	0.0	0.0	0.0	0.0	0.0
Meerut	765	807	18:01	769	11:44	0.0	0.0	15.4	0.0	15.4
Jhatikara	765	801	02:00	766	11:48	0.0	0.0	11.8	0.0	11.8
Bareilly 765 kV	765	784	18:02	756	11:12	0.0	0.0	0.0	0.0	0.0
Anta	765	776	01:54	758	10:52	0.0	0.0	0.0	0.0	0.0
Phagi	765	784	02:53	766	09:09	0.0	0.0	0.0	0.0	0.0

Note : "0" in Max / Min Col -> Telemetry Outage

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	479.58	447.73	481.38	488.47	229.96	323.97
Pong	426.72	384.05	395.81	141.12	403.75	312.39	52.58	20.05
Tehri	829.79	740.04	749.85	49.85	770.30	208.27	42.37	155.00
Koteshwar	612.50	598.50	611.46	5.33	611.20	5.10	155.00	146.90
Chamera-I	760.00	748.75	755.06	0.00	0.00	0.00	143.07	178.26
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	496.37	5.00	514.72	1.81	183.37	288.69

*** 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	19	192	0	-389	219	0	-1.17	5.48	4.31
Delhi	-328	-107	0	-176	-17	0	-4.93	0.12	-4.81
Haryana	304	-484	0	353	305	0	6.80	1.04	7.84
HP	-126	215	0	-25	-305	0	-1.41	1.82	0.41
J&K	84	-13	0	-65	111	0	0.92	0.55	1.48
CHD	0	-10	0	0	-20	0	0.00	-0.05	-0.05
Rajasthan	-8	428	0	-4	435	0	-0.17	10.21	10.04
UP	589	974	0	242	0	0	6.85	5.77	12.61
Uttarakhand	357	174	0	357	184	0	8.85	4.28	13.14
Total	**891**	**1368**	**0**	**292**	**912**	**0**	**15.75**	**29.22**	**44.97**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-389	338	-285	0	0
Delhi	-176	-328	297	-203	0	0
Haryana	455	155	317	-486	0	0
HP	-25	-126	291	-581	0	0
J&K	133	-65	111	-13	0	0
CHD	0	0	35	-35	0	0
Rajasthan	-4	-8	445	206	0	0
UP	644	149	974	0	0	0
Uttarakhand	386	357	222	120	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	**0.35%**

(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 09.04.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
1. First time 400 kV Bay No 407 & 408 (Jallandhar Tie & Filter Bay) charged at Kurushestra S/S at 13.52 & 13.53 Hrs respectively.
0.00
0.00
0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 09.04.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**