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 08.04.2016
Date of Reporting : 09.04.2016

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
36529	1551	38080	49.91	34310	467	34778	50.07	856.4	37.60

* 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	37.94	9.46		47.40	55.30	54.72	-0.58	102.12	0.00
Haryana	30.34	0.30		30.64	80.22	79.28	-0.94	109.91	0.00
Rajasthan	117.31	0.43	8.69	126.43	52.68	54.30	1.62	180.73	0.00
Delhi	11.48			11.48	68.75	68.58	-0.17	80.05	0.00
UP	163.27	3.60		166.87	107.33	109.08	1.75	275.96	27.04
Uttarakhand		8.83		8.83	23.97	26.19	2.22	35.02	0.00
HP		8.57		8.57	13.24	15.57	2.33	24.14	0.05
J & K		14.15	0.00	14.15	26.15	30.34	4.20	44.49	10.52
Chandigarh				0.00	4.00	3.95	0.27	3.95	0.00
Total	**360.34**	**45.32**	**8.69**	**414.36**	**431.64**	**442.01**	**10.69**	**856.37**	**37.60**

* 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	4231	0	-88	-187	3696	0	-35	-237	4549
Haryana	5628	0	-189	675	3928	0	95	-16	6601
Rajasthan	6725	0	271	434	7414	0	-2	359	8022
Delhi	3737	0	44	-165	2919	0	61	-374	3844
UP	11400	1050	196	242	12702	200	-1	1596	12803
Uttarakhand	1617	0	75	590	1263	0	193	485	1790
HP	989	0	72	-497	754	0	96	45	1272
J&K	2005	501	177	16	1515	267	34	-94	2164
Chandigarh	197	0	7	-20	119	0	-2	0	197
Total	**36529**	**1551**	**565**	**1089**	**34310**	**467**	**438**	**1764**	**39900**

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

Diversity is 1.03

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	882	870	900	19.54	814	20.98	-1.44
	Rihand I STPS (2*500)	1000	725	784	806	17.11	713	16.81	0.30
	Rihand II STPS (2*500)	1000	946	1040	993	22.13	922	22.00	0.13
	Rihand III STPS (2*500)	1000	943	990	908	22.29	929	22.19	0.10
	Dadri I STPS (4*210)	840	815	568	553	13.62	568	13.93	-0.31
	Dadri II STPS (2*490)	980	485	368	331	8.87	370	9.54	-0.67
	Unchahar I TPS (2*210)	420	345	302	330	7.49	312	7.28	0.20
	Unchahar II TPS (2*210)	420	202	210	185	4.35	181	4.32	0.04
	Unchahar III TPS (1*210)	210	202	200	190	4.11	171	4.16	-0.05
	ISTPP (Jhajjhar) (3*500)	1500	950	652	625	14.24	593	14.48	-0.24
	Dadri GPS (4*130.19+2*154.51)	830	790	387	322	8.33	347	8.64	-0.31
	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	645	289	287	6.74	281	6.85	-0.11
	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	0.06	2	0.06	0.00
	KHEP(4*200)	800	872	751	0	3.73	156	3.50	0.23
	Sub Total (A)	**12112**	**9072**	**7411**	**6430**	**153**	**6361**	**155**	**-2**
B. NPC	NAPS (2*220)	440	400	434	443	9.64	402	9.60	0.04
	RAPS- B (2*220)	440	373	420	422	9.00	375	8.95	0.05
	RAPS- C (2*220)	440	415	442	447	9.62	401	9.96	-0.34
	Sub Total (B)	**1320**	**1188**	**1296**	**1312**	**28.26**	**1178**	**28.51**	**-0.25**
C. NHPC	Chamera I HPS (3*180)	540	534	548	16	7.46	311	7.10	0.36
	Chamera II HPS (3*100)	300	292	231	0	2.72	113	2.60	0.11
	Chamera III HPS (3*77)	231	231	229	0	1.56	65	1.51	0.06
	Bairasuil HPS(3*60)	180	179	182	0	2.42	101	2.42	0.00
	Salal-HPS (6*115)	690	393	525	443	9.98	416	9.47	0.51
	Tanakpur-HPS (3*40)	94	16	26	16	0.48	20	0.39	0.09
	Uri-I HPS (4*120)	480	465	474	473	11.29	471	11.17	0.13
	Uri-II HPS (4*60)	240	223	226	225	5.39	224	5.34	0.05
	Dhauliganga-HPS (4*70)	280	280	210	0	0.89	37	0.84	0.05
	Dulhasti-HPS (3*130)	390	387	393	131	4.82	201	4.53	0.29
	Sewa-II HPS (3*40)	120	119	127	120	2.08	86	2.00	0.08
	Parbati 3 (4*130)	520	260	270	0	0.82	34	0.78	0.04
	Sub Total (C)	**4065**	**3379**	**3440**	**1424**	**50**	**2078**	**48**	**2**
D.SJVNL	NJPC (6*250)	1500	1350	1256	0	7.31	305	7.16	0.15
	Rampur HEP (6*68.67)	412	375	372	0	2.09	87	2.00	0.09
	Sub Total (D)	**1912**	**1725**	**1628**	**0**	**9.40**	**392**	**9.16**	**0.24**
E. THDC	Tehri HPS (4*250)	1000	432	427	0	4.58	191	4.60	-0.02
	Koteshwar HPS (4*100)	400	96	101	100	2.34	97	2.30	0.04
	Sub Total (E)	**1400**	**528**	**528**	**100**	**6.92**	**288**	**6.90**	**0.02**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	432	817	366	10.67	444	10.37	0.29
	Dehar HPS (6*165)	990	290	660	165	6.93	289	6.95	-0.02
	Pong HPS (6*66)	396	15	162	0	0.29	12	0.36	-0.08
	Sub Total (F)	**2765**	**737**	**1639**	**531**	**17.89**	**745**	**17.69**	**0.20**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.58	24	0.55	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	680	150	3.38	141	3.85	-0.47
	Malana Stg-II HPS (2*50)	100	0	0	0	0.36	15	0.34	0.02
	Shree Cement TPS (2*150)	300	0	145	142	3.47	145	3.66	-0.19
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.29	12	0.35	-0.06
	Sub Total (G)	1662	0	860	292	8.08	337	8.75	-0.67
H. Total Regional Entities (A-G)		**25237**	**16629**	**16802**	**10089**	**273.09**	**11379**	**273.92**	**-0.84**

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	3.62	151
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	100	2.31	96
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	210	205	4.79	200
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	460	660	11.84	493
	Talwandi Saboo (2*660)	1320	616	616	15.38	641
	Thermal (Total)	**5360**	**1566**	**1741**	**37.94**	**1581**
	Total Hydro	1000	385	270	9.46	394
	Total Punjab	**6360**	**1951**	**2011**	**47.40**	**1975**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	535	474	11.18	466
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	930	784	19.17	799
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1465**	**1258**	**30.34**	**1264**
	Total Hydro	62	12	14	0.30	12
	Total Haryana	**5006**	**1477**	**1272**	**30.64**	**1277**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	702	717	17.31	721
	suratgarh TPS (6*250)	1500	197	212	4.88	203
	Chabra TPS (4*250)	1000	877	900	20.97	874
	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	185	5.19	216
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	158	158	3.62	151
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	525	681	14.39	600
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	842	1066	23.39	975
	Kawai(Adani) (2*660)	1320	1072	1187	27.56	1148
	Thermal (Total)	**8876**	**4579**	**5106**	**117**	**4888**
	Total Hydro	550	34	0	0.43	18
	Wind power	3214	242	216	5.85	244
	Biomass	99	23	23	0.05	2
	Solar	730	0	0	2.80	116
	Renewable/Others (Total)	4043	265	239	8.69	362
	Total Rajasthan	**13469**	**4878**	**5345**	**126.43**	**5268**
UP	Anpara TPS (3*210+2*500)	1630	1227	1063	28.60	1192
	Obra TPS (2*50+2*94+5*200)	1194	422	446	10.40	433
	Paricha TPS (2*110+2*220+2*250)	1140	990	978	23.70	988
	Panki TPS (2*105)	210	77	79	1.90	79
	Harduaganj TPS (1*60+1*105+2*250)	665	535	545	13.00	542
	Tanda TPS (NTPC) (4*110)	440	282	380	8.27	345
	Roza TPS (IPP) (4*300)	1200	1076	1098	25.40	1058
	Anpara-C (IPP) (2*600)	1200	969	900	22.20	925
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	403	8.40	350
	Anpara-D(2*500)	500	0	210	1.80	75
	Lalitpur TPS(2*660)	1320	494	500	10.00	417
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**11269**	**6477**	**6602**	**154**	**6403**
	Vishnuparyag HPS (IPP)(4*110)	440	78	78	1.90	79
	Alaknanada(4*82.5)	330	85	76	1.10	46
	Other Hydro	527	24	2	0.60	25
	Cogeneration	981	400	400	9.60	400
	Total UP	**13547**	**7064**	**7158**	**167**	**6953**
Uttarakhand	Total Hydro	1398	441	340	8.83	368
	Total Uttarakhand	**1398**	**441**	**340**	**8.83**	**368**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	35	35	0.88	37
	Pragati Gas Turbine (2x104+ 1x122)	330	148	150	3.66	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	-0.03	-1
	Badarpur TPS (NTPC) (3*95+2*210)	705	331	330	6.98	291
	Thermal (Total)	2917	514	515	11.48	478
	Total Delhi	**2917**	**514**	**515**	**11.48**	**478**
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.05	44
	Malana HPS (IPP) (2*43)	86	30	0	0.43	18
	Other Hydro	878	272	274	7.08	295
	Total HP	**1264**	**302**	**274**	**8.57**	**357**
J & K	Baglihar HPS (IPP) (3*150)	450	440	440	10.42	434
	Other Hydro/IPP	560	167	125	3.73	156
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**607**	**565**	**14.15**	589
Total State Control Area Generation		**45161**	**17234**	**17480**	**414.36**	**17265**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6766**	**7119**	**172.62**	**7193**
Total Regional Availability(Gross)		**70398**	**40802**	**34688**	**860.07**	**35836**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8666**	**2205**	**92.13**	**3839**
State Control Area Hydro	**6581**	**1968**	**1619**	**45**	**1888**
Total Regional Hydro	**18815**	**10634**	**3824**	**137.46**	**5727**

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	100	250	0	3.25	0.00	3.25
765 KV Gwalior-Agra (D/C)	2434	2614	3046	0	62.99	0.00	62.99
400 KV Zerda-Kankroli	-54	-166	0	192	0.00	2.46	-2.46
400 KV Zerda-Bhinmal	-17	-120	49	130	0.00	0.76	-0.76
220 KV Auraiya-Malanpur	-107	-69	0	125	0.00	1.56	-1.56
220 KV Badod-Kota/Morak	-4	-14	47	66	0.07	0.00	0.07
Mundra-Mohindergarh(HVDC Bipole)	2504	2498	2526	0	60.45	0.00	60.45
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	770	565	959	0	18.47	0.00	18.47
Sub Total WR	**5776**	**5408**			**145.23**	**4.79**	**140.44**
Pusauli Bypass/HVDC	150	-240	150	307	1.55	3.72	-2.17
400 KV MZP- GKP (D/C)	-122	226	226	122	1.82	0.00	1.82
400 KV Patna-Balia(D/C) X 2	75	455	470	0	6.69	0.00	6.69
400 KV B'Sharif-Balia (D/C)	2	165	166	0	3.01	0.00	3.01
765 KV Gaya-Balia	208	269	321	0	3.43	0.00	3.43
765 KV Gaya-Varanasi -1	-96	0	117	96	0.15	0.00	0.15
220 KV Pusauli-Sahupuri	140	187	201	0	3.88	0.00	3.88
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-30	-22	0	30	0.00	0.59	-0.59
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-1	-51	87	55	0.00	0.01	-0.01
400 KV Barh -GKP (D/C)	164	222	263	0	4.32	0.00	4.32
Sub Total ER	**490**	**1211**			**24.85**	**4.32**	**20.53**
+/- 800 KV BiswanathChariali-Agra	500	500	500	0	11.65	0.00	11.65
Sub Total NER	**500**	**500**			**11.65**	**0.00**	**11.65**
Total IR Exch	**6766**	**7119**			**181.73**	**9.11**	**172.62**

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
32.42	0.43	32.84	7.31	2.11	0.00	20.55	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
40.15	134.94	175.09	32.18	140.44	172.62	-7.97	5.50	-2.47

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	-32	-20	0	32	0	1	-0.68

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	7.65	53.67	75.69	13.87	2.72	0.13	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)	
50.22	18.01	49.82	12.14	49.99	0.039	0.062	50.16	0.00	24.31

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	479.67	454.47	481.31	488.47	253.69	321.28
Pong	426.72	384.05	395.78	136.17	403.69	304.55	55.50	22.96
Tehri	829.79	740.04	750.40	52.51	770.75	218.00	42.89	165.00
Koteshwar	612.50	598.50	611.50	5.20	610.95	5.05	165.00	153.33
Chamera-I	760.00	748.75	755.46	0.00	0.00	0.00	150.24	203.89
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	496.60	5.88	514.27	2.82	177.29	284.54

*** 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	9	-246	0	-389	203	0	-1.28	-0.06	-1.33
Delhi	-302	-72	0	-176	11	0	-4.74	1.81	-2.93
Haryana	471	-487	0	369	305	0	8.95	-1.60	7.36
HP	-126	171	0	-25	-472	0	-1.41	0.30	-1.11
J&K	-81	-13	0	-81	98	0	-1.21	-0.04	-1.25
CHD	0	0	0	0	-20	0	0.00	0.12	0.12
Rajasthan	-8	367	0	-4	439	0	-0.17	9.53	9.36
UP	524	1072	0	242	0	0	6.20	6.72	12.92
Uttarakhand	280	205	0	292	299	0	7.03	6.16	13.19
Total	**766**	**998**	**0**	**227**	**862**	**0**	**13.39**	**22.93**	**36.32**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-389	289	-656	0	0
Delhi	-176	-302	435	-147	0	0
Haryana	471	294	317	-613	0	0
HP	-25	-126	222	-608	0	0
J&K	-7	-81	98	-26	0	0
CHD	0	0	40	-30	0	0
Rajasthan	-4	-8	452	23	0	0
UP	568	149	1072	0	0	0
Uttarakhand	321	264	312	196	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	**0.35%**
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 08.04.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
0.00
0.00
0.00
0.00

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 08.04.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**