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 31.03.2016
Date of Reporting : 01.04.2016

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
36235	1305	37541	49.91	33028	899	33927	50.07	843.1	40.93

* 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	48.81	6.55		55.36	61.30	60.90	-0.40	116.26	0.00
Haryana	35.26	0.18		35.44	73.16	72.23	-0.93	107.67	0.00
Rajasthan	107.41	0.83	9.16	117.40	55.80	58.56	2.76	175.96	0.00
Delhi	5.64			5.64	65.06	67.02	1.96	72.66	0.17
UP	152.63	3.24		155.87	109.44	110.70	1.26	266.57	29.27
Uttarakhand		7.48		7.48	23.57	26.37	2.80	33.85	0.00
HP		8.23		8.23	14.74	15.27	0.54	23.50	0.00
J & K		8.19	0.00	8.19	27.49	34.76	7.27	42.95	11.50
Chandigarh				0.00	3.59	3.70	0.27	3.70	0.00
Total	**349.75**	**34.70**	**9.16**	**393.61**	**434.13**	**449.51**	**15.53**	**843.12**	**40.93**

* 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	4583	0	-276	-177	4486	0	128	112	5351
Haryana	5523	0	140	51	3299	0	-45	-471	6027
Rajasthan	6694	0	-324	309	7208	0	125	511	7957
Delhi	3376	0	-32	95	2237	0	45	-800	3583
UP	11284	805	-161	572	12034	615	199	1041	12306
Uttarakhand	1633	0	120	467	1265	0	223	292	1653
HP	946	0	19	-183	789	0	74	109	1241
J&K	2001	500	377	228	1607	284	209	354	2148
Chandigarh	195	0	8	0	103	0	-2	0	195
Total	**36235**	**1305**	**-129**	**1363**	**33028**	**899**	**956**	**1148**	**39251**

* 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	915	1019	972	22.54	939	21.87	0.67
	Rihand I STPS (2*500)	1000	724	766	702	16.73	697	16.98	-0.25
	Rihand II STPS (2*500)	1000	946	946	889	21.33	889	22.41	-1.08
	Rihand III STPS (2*500)	1000	946	983	881	21.56	899	22.46	-0.90
	Dadri I STPS (4*210)	840	815	493	594	9.68	403	13.86	-4.18
	Dadri II STPS (2*490)	980	490	635	436	14.17	590	10.69	3.48
	Unchahar I TPS (2*210)	420	350	375	361	7.88	328	8.02	-0.14
	Unchahar II TPS (2*210)	420	404	437	425	8.79	366	8.84	-0.05
	Unchahar III TPS (1*210)	210	202	216	211	4.49	187	4.55	-0.06
	ISTPP (Jhajjhar) (3*500)	1500	950	395	345	8.05	335	8.49	-0.44
	Dadri GPS (4*130.19+2*154.51)	830	800	178	187	4.27	178	4.62	-0.35
	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	653	0	0	0.00	0	0.00	0.00
	Dadri Solar(5)	5	1	0	0	0.03	1	0.03	0.00
	Unchahar Solar(10)	10	1	0	0	0.03	1	0.03	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.07	0.00
	KHEP(4*200)	800	655	0	0	2.47	103	2.60	-0.13
	Sub Total (A)	**12112**	**9119**	**6443**	**6003**	**142**	**5920**	**146**	**-3**
B. NPC	NAPS (2*220)	440	402	431	446	9.59	399	9.65	-0.06
	RAPS- B (2*220)	440	377	418	425	9.04	377	9.05	-0.01
	RAPS- C (2*220)	440	415	440	450	9.57	399	9.96	-0.39
	Sub Total (B)	**1320**	**1194**	**1289**	**1321**	**28.19**	**1175**	**28.66**	**-0.46**
C. NHPC	Chamera I HPS (3*180)	540	534	542	0	1.71	71	1.60	0.11
	Chamera II HPS (3*100)	300	300	303	0	3.38	141	3.34	0.04
	Chamera III HPS (3*77)	231	235	232	0	1.97	82	1.97	-0.01
	Bairasuil HPS(3*60)	180	179	184	60	3.29	137	3.28	0.02
	Salal-HPS (6*115)	690	410	560	413	10.40	433	9.78	0.62
	Tanakpur-HPS (3*40)	94	19	32	15	0.50	21	0.44	0.05
	Uri-I HPS (4*120)	480	457	472	472	11.06	461	10.97	0.09
	Uri-II HPS (4*60)	240	216	220	218	5.23	218	5.17	0.06
	Dhauliganga-HPS (4*70)	280	280	286	0	0.89	37	0.84	0.05
	Dulhasti-HPS (3*130)	390	387	410	0	5.60	233	5.35	0.25
	Sewa-II HPS (3*40)	120	119	126	125	1.81	75	1.74	0.07
	Parbati 3 (4*130)	520	146	132	0	0.80	33	0.77	0.03
	Sub Total (C)	**4065**	**3281**	**3499**	**1303**	**47**	**1943**	**45**	**1**
D.SJVNL	NJPC (6*250)	1500	1350	1366	0	7.93	331	7.94	-0.01
	Rampur HEP (6*68.67)	412	246	371	0	1.68	70	1.72	-0.04
	Sub Total (D)	**1912**	**1596**	**1737**	**0**	**9.61**	**401**	**9.66**	**-0.05**
E. THDC	Tehri HPS (4*250)	1000	453	449	0	4.29	179	4.40	-0.11
	Koteshwar HPS (4*100)	400	92	101	89	2.19	91	2.20	-0.01
	Sub Total (E)	**1400**	**545**	**550**	**89**	**6.48**	**270**	**6.60**	**-0.12**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	506	738	374	12.36	515	12.15	0.21
	Dehar HPS (6*165)	990	293	495	165	7.12	297	7.04	0.08
	Pong HPS (6*66)	396	150	270	110	3.49	146	3.60	-0.10
	Sub Total (F)	**2765**	**949**	**1503**	**649**	**22.97**	**957**	**22.79**	**0.19**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	0	0	0.69	29	0.66	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	4.08	-0.70
	Malana Stg-II HPS (2*50)	100	0	0	0	0.39	16	0.36	0.03
	Shree Cement TPS (2*150)	300	0	292	293	7.02	292	7.10	-0.09
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.29	12	0.28	0.01
	Sub Total (G)	1662	0	917	293	11.77	490	12.48	-0.71
H. Total Regional Entities (A-G)		**25237**	**16684**	**15938**	**9658**	**267.74**	**11156**	**270.93**	**-3.20**

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	156	210	4.08	170
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	113	0	0.99	41
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	595	625	13.57	566
	Goindwal(GVK)		273	278	5.96	248
	Rajpura (2*700)	1400	660	660	14.40	600
	Talwandi Saboo (2*660)	1320	308	308	9.80	409
	Thermal (Total)	**5360**	**2105**	**2081**	**48.81**	**2034**
	Total Hydro	1000	248	300	6.55	273
	Total Punjab	**6360**	**2353**	**2381**	**55.36**	**2307**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	433	439	9.79	408
	DCRTPP (Yamuna nagar) (2*300)	600	532	474	11.61	484
	Faridabad GPS (NTPC)	432	186	158	4.10	171
	RGTPP (khedar) (IPP) (2*600)	1200	422	385	9.76	407
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1573**	**1456**	**35.26**	**1469**
	Total Hydro	62	7	10	0.18	7
	Total Haryana	**5006**	**1580**	**1466**	**35.44**	**1477**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	921	861	21.76	907
	suratgarh TPS (6*250)	1500	196	194	4.88	203
	Chabra TPS (4*250)	1000	437	594	15.40	642
	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	170	174	4.24	177
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	161	159	3.66	153
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	798	685	19.11	796
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	973	886	23.22	968
	Kawai(Adani) (2*660)	1320	555	487	15.14	631
	Thermal (Total)	**8876**	**4211**	**4040**	**107**	**4475**
	Total Hydro	550	12	32	0.83	35
	Wind power	3214	81	853	8.56	357
	Biomass	99	20	20	0.48	20
	Solar	730	2	0	0.13	5
	Renewable/Others (Total)	4043	103	873	9.16	382
	Total Rajasthan	**13469**	**4326**	**4945**	**117.40**	**4892**
UP	Anpara TPS (3*210+2*500)	1630	1224	1238	29.60	1233
	Obra TPS (2*50+2*94+5*200)	1194	457	422	10.40	433
	Paricha TPS (2*110+2*220+2*250)	1140	995	981	23.60	983
	Panki TPS (2*105)	210	72	72	1.70	71
	Harduaganj TPS (1*60+1*105+2*250)	665	536	329	8.90	371
	Tanda TPS (NTPC) (4*110)	440	385	380	9.18	382
	Roza TPS (IPP) (4*300)	1200	1089	1035	25.49	1062
	Anpara-C (IPP) (2*600)	1200	1096	1085	25.93	1080
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	162	5.83	243
	Anpara-D(2*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**	**6259**	**5704**	**141**	**5859**
	Vishnuparyag HPS (IPP)(4*110)	440	67	67	1.67	70
	Alaknanada(4*82.5)	330	83	76	1.18	49
	Other Hydro	527	37	2	0.40	17
	Cogeneration	981	500	500	12.00	500
	Total UP	**13547**	**6946**	**6349**	**156**	**6495**
Uttarakhand	Total Hydro	1398	419	277	7.48	312
	Total Uttarakhand	**1398**	**419**	**277**	**7.48**	**312**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	34	35	0.83	35
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	-0.03	-1
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	-0.04	-1
	Badarpur TPS (NTPC) (3*95+2*210)	705	190	165	4.89	204
	Thermal (Total)	2917	224	200	5.64	235
	Total Delhi	**2917**	**224**	**200**	**5.64**	**235**
HP	Baspa HPS (IPP) (3*100)	300	0	31	1.04	43
	Malana HPS (IPP) (2*43)	86	0	0	0.50	21
	Other Hydro	878	309	251	6.69	279
	Total HP	**1264**	**309**	**282**	**8.23**	**343**
J & K	Baglihar HPS (IPP) (3*150)	450	240	240	5.76	240
	Other Hydro/IPP	560	122	72	2.43	101
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**362**	**312**	**8.19**	341
Total State Control Area Generation		**45161**	**16519**	**16212**	**393.61**	**16400**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7637**	**8779**	**188.33**	**7847**
Total Regional Availability(Gross)		**70398**	**40094**	**34649**	**849.68**	**35403**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**7914**	**2041**	**92.63**	**3860**
State Control Area Hydro	**6581**	**1544**	**1358**	**35**	**1446**
Total Regional Hydro	**18815**	**9458**	**3399**	**127.33**	**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	6.03	0.00	6.03
765 KV Gwalior-Agra (D/C)	2558	3031	3271	0	69.40	0.00	69.40
400 KV Zerda-Kankroli	-106	-233	0	250	0.00	4.36	-4.36
400 KV Zerda-Bhinmal	-46	-205	0	215	0.00	2.88	-2.88
220 KV Auraiya-Malanpur	-6	32	35	0	0.57	0.00	0.57
220 KV Badod-Kota/Morak	-64	-31	11	49	0.00	0.89	-0.89
Mundra-Mohindergarh(HVDC Bipole)	2502	2498	2508	0	60.44	0.00	60.44
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	896	1129	581	0	23.96	0.00	23.96
Sub Total WR	**5984**	**6471**			**160.39**	**8.14**	**152.26**
Pusauli Bypass/HVDC	250	250	250	0	6.03	0.00	6.03
400 KV MZP- GKP (D/C)	280	170	324	0	6.12	0.00	6.12
400 KV Patna-Balia(D/C) X 2	276	847	858	0	14.72	0.00	14.72
400 KV B'Sharif-Balia (D/C)	255	194	304	0	6.17	0.00	6.17
765 KV Gaya-Balia	259	250	346	0	3.48	0.00	3.48
765 KV Gaya-Varanasi -1	0	0	0	0	0.00	0.00	0.00
220 KV Pusauli-Sahupuri	215	0	215	0	1.67	0.00	1.67
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-24	-21	0	-30	0.00	-0.57	0.57
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-283	-34	74	283	0.00	0.98	-0.98
400 KV Barh -GKP (D/C)	508	184	548	0	8.57	0.00	8.57
400 kvB'Sharif - Varanasi (D/C)	-83	-32	0	122	0.00	1.10	-1.10
Sub Total ER	**1653**	**1808**			**47.72**	**1.51**	**46.21**
+/- 800 KV BiswanathCharialli-Agra	0	500	0	500	0.00	10.14	-10.14
Sub Total NER	**0**	**500**			**0.00**	**10.14**	**-10.14**
Total IR Exch	**7637**	**8779**			**208.11**	**19.78**	**188.33**

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
43.22	0.70	43.92	1.52	-7.52	0.00	30.83	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
45.44	137.23	182.67	36.07	152.26	188.33	-9.37	15.03	5.66

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	-26	-30	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	0.00	2.57	30.28	60.35	28.10	8.37	0.80	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)	
50.26	12.01	49.80	19.01	50.03	0.045	0.061	50.26	49.95	39.65

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	23:29	400	12:59	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	13:04	407	19:12	0.0	0.0	8.2	0.0	8.2
Bareilly(PG)400kV	400	421	13:06	402	19:16	0.0	0.0	0.1	0.0	0.1
Kanpur	400	418	21:42	405	19:09	0.0	0.0	0.0	0.0	0.0
Dadri	400	422	02:48	406	19:09	0.0	0.0	10.4	0.0	10.4
Ballabhgarh	400	428	02:48	410	19:08	0.0	0.0	52.1	0.0	52.1
Bawana	400	426	02:51	409	19:08	0.0	0.0	35.5	0.0	35.5
Bassi	400	423	18:01	407	11:46	0.0	0.0	4.5	0.0	4.5
Hissar	400	423	21:40	406	11:23	0.0	0.0	4.8	0.0	4.8
Moga	400	418	21:13	405	11:23	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	21:42	409	19:10	0.0	0.0	31.8	0.0	31.8
Nalagarh	400	432	21:42	408	10:07	0.0	0.0	49.3	1.9	49.3
Kishenpur	400	424	04:00	402	19:00	0.0	0.0	13.3	0.0	13.3
Wagoora	400	409	03:49	380	22:15	0.0	25.2	0.0	0.0	0.0
Amritsar	400	421	02:32	402	11:22	0.0	0.0	3.6	0.0	3.6
Kashipur	400	420	13:00	412	19:14	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	03:57	402	10:06	0.0	0.0	1.2	0.0	1.2
Rishikesh	400	410	13:02	393	19:14	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	772	21:43	743	00:05	0.0	0.0	0.0	0.0	0.0
Balia	765	783	13:18	754	19:09	0.0	0.0	0.0	0.0	0.0
Moga	765	800	18:01	776	10:21	0.0	0.0	0.0	0.0	0.0
Agra	765	788	21:43	758	15:30	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	21:30	777	10:21	0.0	0.0	2.7	0.0	2.7
Unnao	765	763	13:03	744	19:08	0.0	0.0	0.0	0.0	0.0
Lucknow	765	793	13:05	763	19:09	0.0	0.0	0.0	0.0	0.0
Meerut	765	812	21:42	779	10:20	0.0	0.0	14.4	0.0	14.4
Jhatikara	765	805	21:44	773	19:09	0.0	0.0	5.4	0.0	5.4
Bareilly 765 kV	765	799	13:06	760	19:14	0.0	0.0	0.0	0.0	0.0
Anta	765	780	02:17	765	10:23	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	18:16	766	14:46	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	480.31	468.02	480.51	468.02	210.17	392.33
Pong	426.72	384.05	396.03	141.12	402.83	288.96	51.17	271.45
Tehri	829.79	740.04	753.90	76.29	773.65	251.76	40.44	149.00
Koteshwar	612.50	598.50	610.86	4.95	611.25	5.20	149.00	144.52
Chamera-I	760.00	748.75	759.16	0.00	0.00	0.00	124.27	48.63
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	496.44	0.00	509.67	2.99	76.48	59.87

*** 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	5	106	0	-399	222	0	-1.49	3.86	2.38
Delhi	-702	-99	0	-581	677	0	-15.27	10.23	-5.04
Haryana	-145	-326	0	-174	226	0	-4.81	2.89	-1.92
HP	30	79	0	132	-315	0	3.32	-2.20	1.12
J&K	382	-28	0	256	-28	0	7.08	-1.13	5.95
CHD	0	0	0	0	0	0	0.00	0.08	0.08
Rajasthan	-11	523	0	-7	316	0	0.57	10.79	11.37
UP	166	875	0	88	485	0	1.99	5.75	7.73
Uttarakhand	194	98	0	194	273	0	4.89	6.15	11.04
Total	**-80**	**1228**	**0**	**-492**	**1856**	**0**	**-3.73**	**36.43**	**32.70**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-399	244	78	0	0
Delhi	-552	-716	841	-119	0	0
Haryana	-145	-373	268	-407	0	0
HP	240	30	164	-730	0	0
J&K	382	74	-10	-218	0	0
CHD	0	0	25	-25	0	0
Rajasthan	186	-11	530	-106	0	0
UP	324	-33	875	0	0	0
Uttarakhand	223	194	407	98	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	**1.04%**

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

WR	**0.35%**
ER	**0.00%**
Simultaneous	**35.42%**

(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 31.03.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
400 kV Anpara B- Anpara D first time charged at 13:30 hrs/ 31-03-2016.
Kurukshetra ICT-1 first charged at 17:30 hrs/ 31-03-2016 on no load
400 kV Kanpur(old) -Kanpur(765 kV) 1 & 2 first time charged at 17:23hrs & 16:42 hrs/ 31-03-2016 respectively from kanpur(old) end for anti theft purpose.

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 31.03.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**