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 22.03.2016
Date of Reporting : 23.03.2016

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
34264	433	34697	49.99	30960	468	31428	50.04	782.0	19.89

* 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	18.16	8.41		26.57	58.49	60.14	1.65	86.71	0.00
Haryana	30.87	0.31		31.18	74.63	73.38	-1.25	104.56	0.00
Rajasthan	116.48	2.23	11.35	130.05	54.94	57.10	2.16	187.15	0.25
Delhi	10.33			10.33	50.70	50.78	0.08	61.11	0.13
UP	128.83	3.56		132.39	110.52	109.74	-0.78	242.13	9.95
Uttarakhand		8.10		8.10	22.28	24.44	2.16	32.54	0.00
HP		7.87		7.87	15.55	16.36	0.81	24.23	0.07
J & K		11.28	0.00	11.28	30.41	29.07	-1.34	40.34	9.50
Chandigarh				0.00	3.42	3.25	0.27	3.25	0.00
Total	**304.66**	**41.75**	**11.35**	**357.76**	**420.93**	**424.25**	**3.76**	**782.01**	**19.89**

* 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	3654	0	-60	-836	3015	0	57	35	4259
Haryana	5186	0	-7	97	3253	0	-94	-664	5773
Rajasthan	6806	0	-27	349	7868	0	-20	79	8566
Delhi	2867	0	-7	-415	1887	0	29	-856	3188
UP	11300	0	272	470	11358	190	144	1320	12015
Uttarakhand	1562	0	115	360	1136	0	137	243	1608
HP	992	0	-57	-152	777	0	64	114	1342
J&K	1730	433	-105	340	1574	278	46	387	2073
Chandigarh	168	0	-14	-15	92	0	-1	-10	176
Total	**34264**	**433**	**110**	**198**	**30960**	**468**	**361**	**649**	**37226**

* 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	1879	2009	2028	45.28	1887	45.08	0.20
	Rihand I STPS (2*500)	1000	845	919	937	19.63	818	19.38	0.25
	Rihand II STPS (2*500)	1000	946	1000	1016	22.34	931	21.69	0.65
	Rihand III STPS (2*500)	1000	946	1030	1020	22.87	953	22.30	0.56
	Dadri I STPS (4*210)	840	815	421	339	7.60	316	7.90	-0.31
	Dadri II STPS (2*490)	980	861	472	698	15.03	626	15.58	-0.55
	Unchahar I TPS (2*210)	420	350	377	295	7.21	300	7.18	0.03
	Unchahar II TPS (2*210)	420	380	435	315	7.27	303	7.27	0.00
	Unchahar III TPS (1*210)	210	202	218	177	3.91	163	3.93	-0.01
	ISTPP (Jhajjhar) (3*500)	1500	950	353	302	7.32	305	7.50	-0.18
	Dadri GPS (4*130.19+2*154.51)	830	765	188	196	4.47	186	4.75	-0.28
	Anta GPS (3*88.71+1*153.2)	419	409	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	0.06	0.01
	KHEP(4*200)	800	655	651	0	4.22	176	4.00	0.22
	Sub Total (A)	**12112**	**10660**	**8073**	**7323**	**167**	**6970**	**167**	**1**
B. NPC	NAPS (2*220)	440	400	445	448	9.81	409	9.60	0.21
	RAPS- B (2*220)	440	378	414	421	9.03	376	9.07	-0.04
	RAPS- C (2*220)	440	418	446	451	9.66	402	10.03	-0.38
	Sub Total (B)	**1320**	**1196**	**1305**	**1320**	**28.49**	**1187**	**28.70**	**-0.21**
C. NHPC	Chamera I HPS (3*180)	540	534	545	0	5.43	226	5.10	0.33
	Chamera II HPS (3*100)	300	300	303	0	1.89	79	1.74	0.15
	Chamera III HPS (3*77)	231	235	231	0	1.04	43	1.00	0.04
	Bairasuil HPS(3*60)	180	179	183	53	3.03	126	2.96	0.06
	Salal-HPS (6*115)	690	329	511	300	8.61	359	8.01	0.60
	Tanakpur-HPS (3*40)	94	15	13	14	0.39	16	0.36	0.03
	Uri-I HPS (4*120)	480	465	475	471	11.23	468	11.15	0.09
	Uri-II HPS (4*60)	240	223	229	225	5.40	225	5.35	0.05
	Dhauliganga-HPS (4*70)	280	210	215	0	0.71	30	0.63	0.08
	Dulhasti-HPS (3*130)	390	387	405	0	3.86	161	3.50	0.36
	Sewa-II HPS (3*40)	120	119	124	125	2.98	124	2.86	0.12
	Parbati 3 (4*130)	520	138	132	0	0.61	26	0.58	0.04
	Sub Total (C)	**4065**	**3134**	**3364**	**1188**	**45**	**1883**	**43**	**2**
D.SJVNL	NJPC (6*250)	1500	1350	1367	0	7.05	294	6.82	0.23
	Rampur HEP (6*68.67)	412	375	370	0	1.99	83	1.90	0.08
	Sub Total (D)	**1912**	**1725**	**1737**	**0**	**9.04**	**377**	**8.72**	**0.32**
E. THDC	Tehri HPS (4*250)	1000	644	641	0	5.71	238	5.70	0.01
	Koteshwar HPS (4*100)	400	114	304	90	2.78	116	2.73	0.05
	Sub Total (E)	**1400**	**758**	**945**	**90**	**8.49**	**354**	**8.43**	**0.06**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	449	951	376	10.78	449	10.77	0.00
	Dehar HPS (6*165)	990	237	495	165	5.66	236	5.68	-0.03
	Pong HPS (6*66)	396	53	220	0	1.18	49	1.27	-0.08
	Sub Total (F)	**2765**	**738**	**1666**	**541**	**17.62**	**734**	**17.72**	**-0.10**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	16	0	0.42	18	0.40	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.72	-0.34
	Malana Stg-II HPS (2*50)	100	0	0	0	0.21	9	0.19	0.01
	Shree Cement TPS (2*150)	300	0	296	298	7.11	296	7.10	0.02
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.21	9	0.21	0.00
	Sub Total (G)	1662	0	937	298	11.33	472	11.62	-0.29
H. Total Regional Entities (A-G)		**25237**	**18211**	**18027**	**10760**	**287.44**	**11977**	**285.11**	**2.33**

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	206	160	4.18	174
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.03	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.07	-3
	Goindwal(GVK)		0	0	-0.13	-5
	Rajpura (2*700)	1400	660	330	14.25	594
	Talwandi Saboo (2*660)	1320	0	0	-0.05	-2
	Thermal (Total)	**5360**	**866**	**490**	**18.16**	**757**
	Total Hydro	1000	314	379	8.41	350
	Total Punjab	**6360**	**1180**	**869**	**26.57**	**1107**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	539	455	11.41	475
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	750	791	19.46	811
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1289**	**1246**	**30.87**	**1286**
	Total Hydro	62	9	11	0.31	13
	Total Haryana	**5006**	**1298**	**1257**	**31.18**	**1299**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	694	692	17.08	712
	suratgarh TPS (6*250)	1500	192	388	6.80	283
	Chabra TPS (4*250)	1000	651	555	14.56	607
	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	202	186	5.50	229
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	176	175	4.05	169
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	967	767	20.52	855
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	820	823	20.01	834
	Kawai(Adani) (2*660)	1320	1199	1165	27.96	1165
	Thermal (Total)	**8876**	**4901**	**4751**	**116**	**4853**
	Total Hydro	550	73	126	2.23	93
	Wind power	3214	57	934	7.79	325
	Biomass	99	20	20	0.49	20
	Solar	730	0	0	3.07	128
	Renewable/Others (Total)	4043	77	954	11.35	473
	Total Rajasthan	**13469**	**5051**	**5831**	**130.05**	**5419**
UP	Anpara TPS (3*210+2*500)	1630	1059	1066	24.97	1040
	Obra TPS (2*50+2*94+5*200)	1194	446	444	10.44	435
	Paricha TPS (2*110+2*220+2*250)	1140	751	949	18.42	768
	Panki TPS (2*105)	210	63	68	1.59	66
	Harduaganj TPS (1*60+1*105+2*250)	665	324	317	7.32	305
	Tanda TPS (NTPC) (4*110)	440	378	380	8.47	353
	Roza TPS (IPP) (4*300)	1200	948	560	14.41	600
	Anpara-C (IPP) (2*600)	1200	1081	1085	24.58	1024
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	500	194	97	4.12	172
	Lalitpur TPS(2*660)	1320	0	0	0.11	5
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**11269**	**5244**	**4966**	**114**	**4768**
	Vishnuparyag HPS (IPP)(4*110)	440	58	62	1.46	61
	Alaknanada(4*82.5)	330	0	79	0.90	38
	Other Hydro	527	101	205	1.20	50
	Cogeneration	981	600	600	14.40	600
	Total UP	**13547**	**6003**	**5912**	**132**	**5516**
Uttarakhand	Total Hydro	1398	457	188	8.10	337
	Total Uttarakhand	**1398**	**457**	**188**	**8.10**	**337**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	37	37	0.93	39
	Pragati Gas Turbine (2x104+ 1x122)	330	-1	-1	-0.01	-1
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	254	6.04	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	161	3.39	141
	Thermal (Total)	2917	449	451	10.33	430
	Total Delhi	**2917**	**449**	**451**	**10.33**	**430**
HP	Baspa HPS (IPP) (3*100)	300	0	0	1.12	47
	Malana HPS (IPP) (2*43)	86	0	0	0.21	9
	Other Hydro	878	331	248	6.54	273
	Total HP	**1264**	**331**	**248**	**7.87**	**328**
J & K	Baglihar HPS (IPP) (3*150)	450	297	291	8.22	342
	Other Hydro/IPP	560	160	79	3.06	127
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**457**	**370**	**11.28**	470
Total State Control Area Generation		**45161**	**15226**	**15126**	**357.76**	**14907**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5583.84**	**6313.32**	**153.52**	**6397**
Total Regional Availability(Gross)		**70398**	**38837**	**32199**	**798.72**	**33280**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9004**	**1819**	**88.56**	**3690**
State Control Area Hydro	**6581**	**1800**	**1668**	**42**	**1740**
Total Regional Hydro	**18815**	**10804**	**3487**	**130.31**	**5430**

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	0	250	0.00	5.16	-5.16
765 KV Gwalior-Agra (D/C)	2601	2801	3129	0	64.25	0.00	64.25
400 KV Zerda-Kankroli	-90	-212	0	240	0.00	3.43	-3.43
400 KV Zerda-Bhinmal	-51	-169	81	201	0.00	2.19	-2.19
220 KV Auraiya-Malanpur	-1	-20	0	20	0.00	0.01	-0.01
220 KV Badod-Kota/Morak	-70	-18	47	70	0.00	0.37	-0.37
Mundra-Mohindergarh(HVDC Bipole)	2503	2503	2506	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)	592	763	1149	0	19.47	0.00	19.47
Sub Total WR	**5234**	**5398**			**144.17**	**11.16**	**133.00**
Pusauli Bypass/HVDC	400	400	400	0	9.02	0.00	9.02
400 KV MZP- GKP (D/C)	-469	-430	0	560	0.00	10.79	-10.79
400 KV Patna-Balia(D/C) X 2	28	358	474	0	7.21	0.00	7.21
400 KV B'Sharif-Balia (D/C)	-172	-193	0	207	0.00	3.99	-3.99
765 KV Gaya-Balia	150	142	289	0	2.45	0.00	2.45
765 KV Gaya-Varanasi -1	0	0	0	0	0.00	0.00	0.00
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-30	-28	0	40	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-371	-261	75	371	0.00	3.78	-3.78
400 KV Barh -GKP (D/C)	328	440	506	0	9.89	0.00	9.89
Sub Total ER	**-136**	**428**			**29.52**	**19.16**	**10.36**
+/- 800 KV BiswanathChariali-Agra	486	487	487	0	10.16	0.00	10.16
Sub Total NER	**486**	**487**			**10.16**	**0.00**	**10.16**
Total IR Exch	**5584**	**6313**			**183.85**	**30.32**	**153.52**

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
30.40	0.03	30.43	1.11	-7.50	-1.18	12.95	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
30.37	126.98	157.35	20.52	133.00	153.52	-9.85	6.02	-3.83

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	-30	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	0.57	14.25	58.51	69.46	13.09	3.23	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)	
50.18	13.08	49.76	20.49	49.98	0.054	0.071	50.20	49.93	30.54

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	14:05	398	03:08	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	422	16:03	393	18:44	0.0	0.0	1.6	0.0	1.6
Bareilly(PG)400kV	400	421	13:05	394	18:55	0.0	0.0	0.1	0.0	0.1
Kanpur	400	417	13:08	397	18:55	0.0	0.0	0.0	0.0	0.0
Dadri	400	423	02:59	401	18:54	0.0	0.0	7.2	0.0	7.2
Ballabhgarh	400	429	02:56	407	18:54	0.0	0.0	42.3	0.0	42.3
Bawana	400	427	02:57	404	19:18	0.0	0.0	28.1	0.0	28.1
Bassi	400	421	05:01	401	22:30	0.0	0.0	0.2	0.0	0.2
Hissar	400	422	02:59	402	19:14	0.0	0.0	0.7	0.0	0.7
Moga	400	420	01:57	402	18:53	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	425	13:02	404	18:52	0.0	0.0	15.5	0.0	15.5
Nalagarh	400	433	01:58	411	14:14	0.0	0.0	50.9	3.5	50.9
Kishenpur	400	423	02:55	400	19:19	0.0	0.0	13.2	0.0	13.2
Wagoora	400	399	03:59	373	19:21	19.1	67.5	0.0	0.0	19.1
Amritsar	400	429	12:58	409	06:22	0.0	0.0	40.5	0.0	40.5
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	04:01	406	18:56	0.0	0.0	32.8	0.0	32.8
Rishikesh	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0

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

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	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Balia	765	777	13:05	731	18:57	0.0	4.1	0.0	0.0	0.0
Moga	765	802	12:58	768	18:55	0.0	0.0	0.4	0.0	0.4
Agra	765	787	13:00	755	19:16	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	13:05	771	18:56	0.0	0.0	0.6	0.0	0.6
Unnao	765	766	16:03	732	18:55	0.0	3.6	0.0	0.0	0.0
Lucknow	765	791	13:05	744	18:55	0.0	0.0	0.0	0.0	0.0
Meerut	765	810	13:05	766	19:14	0.0	0.0	12.2	0.0	12.2
Jhatikara	765	805	02:57	767	18:56	0.0	0.0	6.5	0.0	6.5
Bareilly 765 kV	765	784	16:01	744	18:55	0.0	0.0	0.0	0.0	0.0
Anta	765	781	23:15	757	23:12	0.0	0.0	0.0	0.0	0.0
Phagi	765	784	05:02	758	22:32	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	481.88	503.43	480.60	474.82	231.55	341.10
Pong	426.72	384.05	396.85	157.28	402.25	273.51	90.73	78.49
Tehri	829.79	740.04	759.25	114.92	776.35	276.00	44.65	191.00
Koteshwar	612.50	598.50	610.86	4.95	611.10	5.10	191.00	183.00
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	146.52	149.16
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	497.54	5.67	507.70	3.11	142.43	209.61

*** 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	0	35	0	-810	-27	0	-2.83	0.51	-2.32
Delhi	-711	-145	0	-631	215	0	-15.78	2.52	-13.26
Haryana	-167	-498	0	-192	289	0	-5.29	1.67	-3.62
HP	30	84	0	132	-283	0	3.34	-2.09	1.25
J&K	397	-10	0	311	29	0	7.94	-0.91	7.03
CHD	0	-10	0	0	-15	0	0.00	-0.29	-0.29
Rajasthan	-7	87	0	-7	356	0	0.63	6.08	6.71
UP	155	1165	0	470	0	0	2.71	6.17	8.89
Uttarakhand	194	50	0	194	166	0	4.82	3.32	8.14
Total	**-110**	**758**	**0**	**-533**	**730**	**0**	**-4.47**	**16.98**	**12.52**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	0	-810	149	-472	0	0
Delhi	-622	-757	456	-213	0	0
Haryana	-167	-394	332	-587	0	0
HP	242	30	96	-637	0	0
J&K	397	307	29	-238	0	0
CHD	0	0	0	-46	0	0
Rajasthan	189	-7	572	-842	0	0
UP	498	-49	1165	0	0	0
Uttarakhand	223	194	294	50	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 22.03.2016 :
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

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 22.03.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**