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 21.03.2016
Date of Reporting : 22.03.2016

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
33318	1711	35028	50.09	31034	911	31946	49.93	796.1	37.25

* 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	14.87	8.17		23.04	59.33	60.96	1.64	84.00	0.00
Haryana	31.96	0.37		32.33	74.45	73.65	-0.80	105.98	0.00
Rajasthan	111.94	2.33	17.53	131.80	59.66	60.59	0.93	192.39	0.00
Delhi	10.39			10.39	52.16	52.43	0.27	62.82	0.02
UP	131.31	3.90		135.21	115.31	114.87	-0.44	250.09	27.54
Uttarakhand		8.80		8.80	21.83	22.90	1.06	31.69	0.00
HP		8.12		8.12	15.70	17.04	1.34	25.16	0.11
J & K		11.28	0.00	11.28	31.18	29.39	-1.79	40.66	9.58
Chandigarh				0.00	3.39	3.30	0.27	3.30	0.00
Total	**300.47**	**42.97**	**17.53**	**360.97**	**433.01**	**435.13**	**2.49**	**796.10**	**37.25**

* 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	3653	0	66	-684	3018	0	152	112	3991
Haryana	5332	0	-248	106	3103	0	18	-697	5927
Rajasthan	6957	0	62	53	8033	0	223	571	8892
Delhi	2944	0	-162	-477	1952	0	137	-946	3246
UP	9978	1285	25	460	11372	640	115	1090	12144
Uttarakhand	1542	0	17	396	1151	0	65	194	1660
HP	1034	0	13	-313	781	0	111	11	1400
J&K	1702	426	-141	283	1538	271	-118	387	1959
Chandigarh	177	0	-6	-25	87	0	12	-10	177
Total	**33318**	**1711**	**-375**	**-202**	**31034**	**911**	**715**	**712**	**37124**

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

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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	2035	2020	45.44	1893	45.34	0.10
	Rihand I STPS (2*500)	1000	820	858	889	18.82	784	18.83	0.00
	Rihand II STPS (2*500)	1000	948	1017	1003	22.22	926	21.78	0.44
	Rihand III STPS (2*500)	1000	948	1007	1014	22.26	928	22.28	-0.02
	Dadri I STPS (4*210)	840	815	284	322	7.48	312	7.74	-0.26
	Dadri II STPS (2*490)	980	980	905	668	17.17	715	17.88	-0.71
	Unchahar I TPS (2*210)	420	350	340	321	7.15	298	7.13	0.03
	Unchahar II TPS (2*210)	420	404	321	313	7.45	310	7.58	-0.14
	Unchahar III TPS (1*210)	210	202	158	156	3.56	148	3.61	-0.05
	ISTPP (Jhajjhar) (3*500)	1500	950	313	310	6.98	291	7.11	-0.13
	Dadri GPS (4*130.19+2*154.51)	830	800	188	193	4.45	185	4.62	-0.17
	Anta GPS (3*88.71+1*153.2)	419	411	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	653	0	3.21	134	3.00	0.21
	Sub Total (A)	**12112**	**10831**	**8079**	**7209**	**166**	**6930**	**167**	**-1**
B. NPC	NAPS (2*220)	440	402	434	447	9.66	403	9.65	0.01
	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**	**1198**	**1294**	**1319**	**28.34**	**1181**	**28.75**	**-0.41**
C. NHPC	Chamera I HPS (3*180)	540	534	546	0	7.94	331	7.70	0.25
	Chamera II HPS (3*100)	300	300	304	0	2.28	95	2.08	0.20
	Chamera III HPS (3*77)	231	235	230	0	1.08	45	1.00	0.08
	Bairasuil HPS(3*60)	180	179	186	121	3.55	148	3.43	0.12
	Salal-HPS (6*115)	690	380	534	329	9.82	409	9.22	0.60
	Tanakpur-HPS (3*40)	94	15	14	15	0.43	18	0.37	0.06
	Uri-I HPS (4*120)	480	461	472	470	11.19	466	11.08	0.11
	Uri-II HPS (4*60)	240	209	227	212	5.12	213	5.04	0.09
	Dhauliganga-HPS (4*70)	280	210	214	0	0.85	36	0.70	0.16
	Dulhasti-HPS (3*130)	390	387	409	0	3.46	144	3.20	0.26
	Sewa-II HPS (3*40)	120	119	125	125	2.98	124	2.86	0.13
	Parbati 3 (4*130)	520	130	133	0	0.41	17	0.39	0.02
	Sub Total (C)	**4065**	**3160**	**3393**	**1272**	**49**	**2046**	**47**	**2**
D.SJVNL	NJPC (6*250)	1500	1350	1350	0	6.75	281	6.60	0.15
	Rampur HEP (6*68.67)	412	375	359	0	1.92	80	1.84	0.08
	Sub Total (D)	**1912**	**1725**	**1709**	**0**	**8.67**	**361**	**8.44**	**0.23**
E. THDC	Tehri HPS (4*250)	1000	648	647	0	5.66	236	5.70	-0.04
	Koteshwar HPS (4*100)	400	114	300	90	2.77	115	2.73	0.04
	Sub Total (E)	**1400**	**762**	**947**	**90**	**8.43**	**351**	**8.43**	**0.00**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	448	759	376	10.61	442	10.75	-0.14
	Dehar HPS (6*165)	990	242	330	165	5.83	243	5.80	0.03
	Pong HPS (6*66)	396	116	220	55	2.59	108	2.78	-0.19
	Sub Total (F)	**2765**	**805**	**1309**	**596**	**19.04**	**793**	**19.33**	**-0.29**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	56	0	0.39	16	0.37	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	625	0	3.38	141	3.84	-0.46
	Malana Stg-II HPS (2*50)	100	0	0	0	0.20	8	0.19	0.01
	Shree Cement TPS (2*150)	300	0	297	294	7.05	294	7.02	0.03
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.21	9	0.21	0.00
	Sub Total (G)	1662	0	979	294	11.23	468	11.63	-0.40
H. Total Regional Entities (A-G)		**25237**	**18481**	**17710**	**10781**	**291.13**	**12130**	**290.66**	**0.47**

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	3.71	154
	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	-0.14	-6
	Rajpura (2*700)	1400	480	330	11.43	476
	Talwandi Saboo (2*660)	1320	0	0	-0.04	-2
	Thermal (Total)	**5360**	**690**	**490**	**14.87**	**620**
	Total Hydro	1000	395	303	8.17	340
	Total Punjab	**6360**	**1085**	**793**	**23.04**	**960**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	547	463	11.72	488
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	977	786	20.23	843
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1524**	**1249**	**31.96**	**1332**
	Total Hydro	62	10	12	0.37	15
	Total Haryana	**5006**	**1534**	**1261**	**32.33**	**1347**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	691	687	16.73	697
	suratgarh TPS (6*250)	1500	386	383	9.03	376
	Chabra TPS (4*250)	1000	541	738	15.26	636
	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	208	206	5.13	214
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	177	95	3.58	149
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	766	516	16.97	707
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	816	812	19.65	819
	Kawai(Adani) (2*660)	1320	922	869	25.59	1066
	Thermal (Total)	**8876**	**4507**	**4306**	**112**	**4664**
	Total Hydro	550	84	96	2.33	97
	Wind power	3214	365	723	14.05	585
	Biomass	99	20	20	0.47	20
	Solar	730	0	0	3.01	125
	Renewable/Others (Total)	4043	385	743	17.53	730
	Total Rajasthan	**13469**	**4976**	**5145**	**131.80**	**5492**
UP	Anpara TPS (3*210+2*500)	1630	1056	1039	25.00	1042
	Obra TPS (2*50+2*94+5*200)	1194	428	425	10.19	425
	Paricha TPS (2*110+2*220+2*250)	1140	806	747	20.60	858
	Panki TPS (2*105)	210	68	72	1.60	67
	Harduaganj TPS (1*60+1*105+2*250)	665	311	315	7.40	308
	Tanda TPS (NTPC) (4*110)	440	276	370	8.62	359
	Roza TPS (IPP) (4*300)	1200	378	554	11.90	496
	Anpara-C (IPP) (2*600)	1200	937	990	23.90	996
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(2*500)	500	0	381	5.30	221
	Lalitpur TPS(2*660)	1320	0	0	0.00	0
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**11269**	**4260**	**4893**	**115**	**4771**
	Vishnuparyag HPS (IPP)(4*110)	440	62	62	1.50	63
	Alaknanada(4*82.5)	330	0	61	0.90	38
	Other Hydro	527	2	155	1.50	63
	Cogeneration	981	700	700	16.80	700
	Total UP	**13547**	**5024**	**5871**	**135**	**5634**
Uttarakhand	Total Hydro	1398	497	338	8.80	367
	Total Uttarakhand	**1398**	**497**	**338**	**8.80**	**367**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.90	38
	Pragati Gas Turbine (2x104+ 1x122)	330	0	0	-0.01	-1
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	255	253	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	161	3.45	144
	Thermal (Total)	2917	453	450	10.39	433
	Total Delhi	**2917**	**453**	**450**	**10.39**	**433**
HP	Baspa HPS (IPP) (3*100)	300	38	0	0.78	33
	Malana HPS (IPP) (2*43)	86	0	0	0.28	12
	Other Hydro	878	304	232	7.06	294
	Total HP	**1264**	**342**	**232**	**8.12**	**338**
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**	**14368**	**14460**	**360.97**	**15040**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5544**	**7056**	**163.71**	**6821**
Total Regional Availability(Gross)		**70398**	**37622**	**32297**	**815.81**	**33992**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8693**	**1958**	**92.41**	**3851**
State Control Area Hydro	**6581**	**1849**	**1629**	**43**	**1790**
Total Regional Hydro	**18815**	**10542**	**3587**	**135.38**	**5641**

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
Vindhychal(HVDC B/B)	-250	-150	250	250	1.50	2.68	-1.18
765 KV Gwalior-Agra (D/C)	2626	3110	3326	0	69.69	0.00	69.69
400 KV Zerda-Kankroli	-171	-89	18	245	0.00	3.19	-3.19
400 KV Zerda-Bhinmal	-150	-45	64	233	0.00	2.06	-2.06
220 KV Auraiya-Malanpur	1	-12	0	49	0.00	0.11	-0.11
220 KV Badod-Kota/Morak	-67	55	74	67	0.27	0.00	0.27
Mundra-Mohindergarh(HVDC Bipole)	2502	2503	2507	0	58.29	0.00	58.29
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	762	1008	1211	0	22.92	0.00	22.92
Sub Total WR	**5253**	**6380**			**152.66**	**8.05**	**144.61**
Pusauli Bypass/HVDC	400	400	400	0	8.90	0.00	8.90
400 KV MZP- GKP (D/C)	-726	-426	0	726	0.00	12.00	-12.00
400 KV Patna-Balia(D/C) X 2	352	281	624	0	9.11	0.00	9.11
400 KV B'Sharif-Balia (D/C)	-307	-217	0	352	0.00	5.67	-5.67
765 KV Gaya-Balia	83	51	236	6	1.32	0.00	1.32
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	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-32	-26	0	33	0.00	0.62	-0.62
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-416	-308	72	416	0.00	4.32	-4.32
400 KV Barh -GKP (D/C)	452	436	504	0	10.80	0.00	10.80
Sub Total ER	**-194**	**191**			**30.13**	**22.61**	**7.52**
+/- 800 KV BiswanathCharialli-Agra	485	485	487	0	11.58	0.00	11.58
Sub Total NER	**485**	**485**			**11.58**	**0.00**	**11.58**
Total IR Exch	**5544**	**7056**			**194.37**	**30.66**	**163.71**

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
28.17	0.19	28.35	0.84	-7.50	-1.31	14.65	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
27.89	136.32	164.21	19.10	144.61	163.71	-8.79	8.29	-0.50

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs) MW	Off Peak(03:00 Hrs) MW	Maximum Interchange (MW)		Energy (MU)		Net Energy MU
			Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-29	-30	0	32	0	1	-0.69

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	0.09	1.32	11.53	52.76	68.69	14.50	5.56	0.35	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	13.05	49.69	10.16	49.99	0.058	0.075	50.22	49.90	31.31

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	405	17:04	399	01:35	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	424	15:02	397	18:54	0.0	0.0	9.3	0.0	9.3
Bareilly(PG)400kV	400	422	15:33	400	09:23	0.0	0.0	1.9	0.0	1.9
Kanpur	400	415	13:05	400	18:53	0.0	0.0	0.0	0.0	0.0
Dadri	400	424	02:31	404	19:12	0.0	0.0	14.4	0.0	14.4
Ballabhgarh	400	431	03:00	409	11:09	0.0	0.0	40.0	0.0	40.0
Bawana	400	428	02:33	408	19:01	0.0	0.0	32.5	0.0	32.5
Bassi	400	423	18:15	401	11:46	0.0	0.0	2.4	0.0	2.4
Hissar	400	423	02:33	403	19:11	0.0	0.0	5.9	0.0	5.9
Moga	400	421	02:30	402	19:07	0.0	0.0	2.1	0.0	2.1
Abdullapur	400	427	13:04	406	19:07	0.0	0.0	23.1	0.0	23.1
Nalagarh	400	436	13:04	415	19:11	0.0	0.0	82.1	23.3	82.1
Kishenpur	400	424	02:24	400	19:12	0.0	0.0	14.7	0.0	14.7
Wagoora	400	402	02:49	372	19:44	16.5	58.5	0.0	0.0	16.5
Amritsar	400	430	13:05	410	06:40	0.0	0.0	45.0	0.0	45.0
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	429	13:05	411	19:25	0.0	0.0	43.7	0.0	43.7
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	766	13:05	739	11:10	0.0	6.4	0.0	0.0	0.0
Balia	765	779	15:07	742	18:57	0.0	0.0	0.0	0.0	0.0
Moga	765	800	02:48	764	19:07	29.1	29.1	0.0	0.0	29.1
Agra	765	787	13:05	755	05:56	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	803	02:33	773	11:08	0.0	0.0	2.4	0.0	2.4
Unnao	765	767	16:06	737	05:55	0.0	13.8	0.0	0.0	0.0
Lucknow	765	792	16:01	754	18:56	0.0	0.0	0.0	0.0	0.0
Meerut	765	808	13:05	774	19:11	0.0	0.0	16.6	0.0	16.6
Jhatikara	765	807	02:52	771	11:11	0.0	0.0	13.9	0.0	13.9
Bareilly 765 kV	765	777	03:00	756	09:21	0.0	0.0	0.0	0.0	0.0
Anta	765	780	18:01	761	11:37	0.0	0.0	0.0	0.0	0.0
Phagi	765	786	18:01	758	06:58	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	481.98	503.43	480.68	474.82	211.75	338.95
Pong	426.72	384.05	396.86	157.28	402.18	266.33	99.70	197.42
Tehri	829.79	740.04	759.85	119.42	776.75	282.72	45.45	187.00
Koteshwar	612.50	598.50	610.88	4.95	611.05	5.20	187.00	182.06
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	175.01	217.23
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	497.78	4.28	507.70	3.25	179.53	55.47

*** 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	107	0	-774	90	0	-2.61	2.76	0.15
Delhi	-812	-134	0	-631	154	0	-16.29	3.00	-13.29
Haryana	-167	-530	0	-192	298	0	-5.29	-0.36	-5.65
HP	30	-19	0	132	-445	0	3.34	-3.77	-0.43
J&K	397	-10	0	311	-28	0	7.94	-1.07	6.86
CHD	0	-10	0	0	-25	0	0.00	-0.25	-0.25
Rajasthan	-7	579	0	-7	60	0	0.63	9.31	9.93
UP	119	971	0	460	0	0	2.55	5.82	8.37
Uttarakhand	194	1	0	194	203	0	4.82	3.37	8.19
Total	**-241**	**954**	**0**	**-507**	**306**	**0**	**-4.93**	**18.82**	**13.90**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	5	-774	236	-531	0	0
Delhi	-622	-812	491	-165	0	0
Haryana	-167	-394	321	-536	0	0
HP	242	30	-10	-737	0	0
J&K	397	307	-10	-245	0	0
CHD	0	0	0	-51	0	0
Rajasthan	189	-7	579	-812	0	0
UP	508	-54	971	0	0	0
Uttarakhand	223	194	303	1	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 21.03.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
1.400 kV Bus-I & Bus-II at greater noida (765/400 kV) first time charged at 1215 hrs. dated 21/03/16
2.400 kV Bus-I & Bus-II at sikandrabad first time charged at 1721 hrs. dated 21/03/16
3.400 kV Greater noida- sikandrabad I & II first time charged at 1600 & 1621 hrs. respectively dated 21/03/16

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

Report for : 21.03.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**