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 21.04.2016
Date of Reporting : 22.04.2016

I. Regional Availability/Demand:

Evening Peak (20:00 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
41668	2498	44166	50.01	40523	1477	41999	49.90	912.5	39.90

* 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	47.84	6.63		54.46	61.94	61.59	-0.35	116.06	0.00
Haryana	42.26	0.40		42.66	88.78	86.76	-2.02	129.42	0.00
Rajasthan	130.56	0.00	8.58	139.14	51.58	51.18	-0.40	190.32	0.00
Delhi	20.16			20.16	76.58	74.88	-1.70	95.05	0.04
UP	150.89	6.20		157.09	112.82	114.33	1.51	271.42	29.40
Uttarakhand		11.00		11.00	26.88	27.56	0.68	38.57	0.00
HP		10.52		10.52	11.73	13.21	1.48	23.72	0.37
J & K		17.03	0.00	17.03	23.55	25.91	2.36	42.94	10.10
Chandigarh				0.00	5.01	5.04	0.27	5.04	0.00
Total	**391.70**	**51.78**	**8.58**	**452.06**	**458.87**	**460.46**	**1.84**	**912.52**	**39.90**

* 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 (20:00 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	5474	0	84	-140	5069	0	-64	75	5474
Haryana	6764	0	-457	655	6270	0	-14	799	7206
Rajasthan	7779	0	-235	364	8108	0	-35	366	8679
Delhi	4160	0	-157	211	3941	5	77	-193	4653
UP	12385	1970	80	270	12823	1160	224	652	13613
Uttarakhand	1892	0	-22	666	1513	0	152	516	1892
HP	1000	32	-31	-663	857	0	140	-258	1203
J&K	1985	496	217	31	1766	312	179	-206	2006
Chandigarh	229	0	-6	0	176	0	23	0	251
Total	**41668**	**2498**	**-527**	**1393**	**40523**	**1477**	**682**	**1751**	**42458**

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

Diversity is 1.06

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	1023	1043	21.63	901	20.54	1.09
	Rihand I STPS (2*500)	1000	752	830	810	16.81	701	16.36	0.45
	Rihand II STPS (2*500)	1000	952	969	1039	21.04	877	20.77	0.26
	Rihand III STPS (2*500)	1000	948	969	1034	20.60	858	20.98	-0.38
	Dadri I STPS (4*210)	840	815	609	794	15.25	635	15.91	-0.67
	Dadri II STPS (2*490)	980	485	333	456	8.92	372	9.38	-0.46
	Unchahar I TPS (2*210)	420	340	350	370	7.51	313	7.45	0.06
	Unchahar II TPS (2*210)	420	200	172	216	4.01	167	4.05	-0.04
	Unchahar III TPS (1*210)	210	200	156	218	3.90	162	3.97	-0.07
	ISTPP (Jhajjhar) (3*500)	1500	950	740	621	15.38	641	15.75	-0.38
	Dadri GPS (4*130.19+2*154.51)	830	772	360	375	8.56	357	8.71	-0.15
	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	621	150	121	3.29	137	3.51	-0.21
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.04	2	0.04	0.00
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	809	656	0	4.55	190	4.50	0.05
	Sub Total (A)	**12112**	**9029**	**7317**	**7097**	**152**	**6316**	**152**	**0**
B. NPC	NAPS (2*220)	440	394	431	439	9.52	397	9.46	0.06
	RAPS- B (2*220)	440	372	187	418	6.50	271	8.93	-2.43
	RAPS- C (2*220)	440	415	443	444	9.49	395	9.96	-0.47
	Sub Total (B)	**1320**	**1181**	**1061**	**1301**	**25.50**	**1063**	**28.34**	**-2.84**
C. NHPC	Chamera I HPS (3*180)	540	535	541	117	7.30	304	7.10	0.20
	Chamera II HPS (3*100)	300	300	306	104	4.19	175	4.15	0.05
	Chamera III HPS (3*77)	231	231	228	146	2.79	116	2.70	0.09
	Bairasuil HPS(3*60)	180	179	186	61	2.71	113	2.64	0.07
	Salal-HPS (6*115)	690	511	526	613	12.73	531	12.23	0.50
	Tanakpur-HPS (3*31.4)	94	20	27	30	0.59	25	0.48	0.11
	Uri-I HPS (4*120)	480	464	472	473	11.26	469	11.13	0.13
	Uri-II HPS (4*60)	240	237	238	241	5.72	238	5.69	0.04
	Dhauliganga-HPS (4*70)	280	280	287	0	1.85	77	1.66	0.18
	Dulhasti-HPS (3*130)	390	387	399	158	8.23	343	8.04	0.18
	Sewa-II HPS (3*40)	120	119	120	0	1.00	41	1.00	0.00
	Parbati 3 (4*130)	520	260	261	0	1.45	60	1.41	0.04
	Sub Total (C)	**4065**	**3523**	**3591**	**1944**	**60**	**2492**	**58**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1223	0	11.13	464	10.96	0.18
	Rampur HEP (6*68.67)	412	375	372	0	3.03	126	2.91	0.12
	Sub Total (D)	**1912**	**1980**	**1595**	**0**	**14.16**	**590**	**13.87**	**0.29**
E. THDC	Tehri HPS (4*250)	1000	393	395	134	3.72	155	3.70	0.02
	Koteshwar HPS (4*100)	400	92	101	93	2.24	93	2.20	0.04
	Sub Total (E)	**1400**	**485**	**496**	**227**	**5.95**	**248**	**5.90**	**0.05**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	561	1120	352	13.38	558	13.46	-0.08
	Dehar HPS (6*165)	990	426	660	330	10.26	427	10.22	0.04
	Pong HPS (6*66)	396	106	159	106	2.54	106	2.55	-0.01
	Sub Total (F)	**2765**	**1093**	**1939**	**788**	**26.18**	**1091**	**26.23**	**-0.05**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	48	49	1.11	46	1.06	0.05
	KARCHAM WANGTOO HPS(IPP) (	1000	0	680	150	5.23	218	5.28	-0.04
	Malana Stg-II HPS (2*50)	100	0	110	25	0.64	27	0.64	0.00
	Shree Cement TPS (2*150)	300	0	289	287	6.41	267	6.36	0.05
	Budhil HPS(IPP) (2*35)	70	0	35	0	0.56	23	0.56	0.00
	Sub Total (G)	1662	0	1162	511	13.95	581	13.89	0.06
H. Total Regional Entities (A-G)		**25237**	**17290**	**17161**	**11867**	**297.15**	**12381**	**298.49**	**-1.34**

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sentout MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	203	160	3.52	147
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	120	100	2.20	92
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	253	205	4.82	201
	Goindwal(GVK) (2*270)	540	180	246	4.62	192
	Rajpura (2*700)	1400	1160	1320	23.13	964
	Talwandi Saboo (3*660)	1980	358	614	9.54	398
	Thermal (Total)	**6560**	**2274**	**2645**	**47.84**	**1993**
	Total Hydro	1000	338	282	6.63	276
	Total Punjab	**7560**	**2612**	**2927**	**54.46**	**2269**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	458	445	10.06	419
	DCRTPP (Yamuna nagar) (2*300)	600	530	526	11.49	479
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1081	987	20.72	863
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**2069**	**1958**	**42.26**	**1761**
	Total Hydro	62	7	27	0.40	17
	Total Haryana	**5006**	**2076**	**1985**	**42.66**	**1777**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	869	956	21.24	885
	suratgarh TPS (6*250)	1500	768	913	18.48	770
	Chabra TPS (4*250)	1000	744	644	19.36	807
	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	186	174	4.54	189
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	67	93	1.98	83
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	374	721	14.76	615
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	813	1120	23.10	963
	Kawai(Adani) (2*660)	1320	958	1179	27.09	1129
	Thermal (Total)	**8876**	**4779**	**5800**	**131**	**5440**
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	465	45	7.50	313
	Biomass	99	30	30	0.72	30
	Solar	730	1	0	0.36	15
	Renewable/Others (Total)	4043	496	75	8.58	358
	Total Rajasthan	**13469**	**5275**	**5875**	**139.14**	**5797**
UP	Anpara TPS (3*210+2*500)	1630	1222	1230	28.10	1171
	Obra TPS (2*50+2*94+5*200)	1194	119	125	4.00	167
	Paricha TPS (2*110+2*220+2*250)	1160	942	908	20.50	854
	Panki TPS (2*105)	210	72	77	1.50	63
	Harduaganj TPS (1*60+1*105+2*250)	665	547	548	11.90	496
	Tanda TPS (NTPC) (4*110)	440	296	394	7.39	308
	Roza TPS (IPP) (4*300)	1200	1089	1089	23.20	967
	Anpara-C (IPP) (2*600)	1200	1080	1076	22.50	938
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	405	405	8.50	354
	Anpara-D(2*500)	1000	0	453	6.70	279
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	467	500	11.80	492
	Thermal (Total)	**12449**	**6239**	**6805**	**146**	**6087**
	Vishnuparyag HPS (IPP)(4*110)	440	127	103	2.40	100
	Alaknanada(4*82.5)	330	84	86	1.40	58
	Other Hydro	527	167	228	2.40	100
	Cogeneration	981	200	200	4.80	200
	Total UP	**14727**	**6817**	**7422**	**157**	**6546**
Uttarakhand	Total Hydro	1398	613	377	11.00	458
	Total Uttarakhand	**1398**	**613**	**377**	**11.00**	**458**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.81	34
	Pragati Gas Turbine (2x104+ 1x122)	330	277	275	6.40	267
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	255	6.11	255
	Badarpur TPS (NTPC) (3*95+2*210)	705	327	324	6.85	285
	Thermal (Total)	2917	890	890	20.16	840
	Total Delhi	**2917**	**890**	**890**	**20.16**	**840**
HP	Baspa HPS (IPP) (3*100)	300	29	106	1.54	64
	Malana HPS (IPP) (2*43)	86	89	46	0.71	29
	Other Hydro	878	347	346	8.27	345
	Total HP	**1264**	**465**	**498**	**10.52**	**438**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	591	736	14.78	616
	Other Hydro/IPP	560	117	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**708**	**818**	**17.03**	710
Total State Control Area Generation		**47841**	**19455**	**20791**	**452.06**	**18836**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6793**	**8832**	**170.81**	**7117**
Total Regional Availability(Gross)		**73078**	**43409**	**41490**	**920.02**	**38334**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9116**	**3182**	**117.64**	**4902**
State Control Area Hydro	**6881**	**2509**	**2419**	**52**	**2157**
Total Regional Hydro	**19115**	**11624**	**5601**	**169.42**	**7059**

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

Element	Peak(20:00 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	6.04	0.00	6.04
765 KV Gwalior-Agra (D/C)	2653	2891	3136	0	56.52	0.00	56.52
400 KV Zerda-Kankroli	36	166	0	354	0.00	4.86	-4.86
400 KV Zerda-Bhinmal	15	-84	50	279	0.00	3.00	-3.00
220 KV Auraiya-Malanpur	-56	-12	0	62	0.00	0.64	-0.64
220 KV Badod-Kota/Morak	43	30	51	71	0.35	0.00	0.35
Mundra-Mohindergarh(HVDC Bipole)	1498	2498	2507	0	48.89	0.00	48.89
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	865	853	541	0	18.14	0.00	18.14
Sub Total WR	**5304**	**6592**			**129.94**	**8.49**	**121.44**

Pusauli Bypass/HVDC	100	50	100	0	1.96	0.00	1.96
400 KV MZP- GKP (D/C)	89	178	348	108	4.54	0.00	4.54
400 KV Patna-Balia(D/C) X 2	165	500	565	0	9.57	0.00	9.57
400 KV B'Sharif-Balia (D/C)	100	117	224	0	3.09	0.00	3.09
765 KV Gaya-Balia	206	214	277	0	2.37	0.00	2.37
765 KV Gaya-Varanasi -1	0	0	0	0	5.65	0.00	5.65
220 KV Pusauli-Sahupuri	142	190	194	0	3.85	0.00	3.85
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-16	-30	0	35	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-117	13	125	152	0.23	0.00	0.23
400 KV Barh -GKP (D/C)	320	508	510	0	9.00	0.00	9.00
400 kvB'Sharif - Varanasi (D/C)	0	0	0	0	0.00	0.34	-0.34
Sub Total ER	**989**	**1740**			**40.26**	**0.88**	**39.37**
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	10.00	0.00	10.00
Sub Total NER	**500**	**500**			**10.00**	**0.00**	**10.00**
Total IR Exch	**6793**	**8832**			**180.19**	**9.38**	**170.81**

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
36.15	0.70	36.86	3.35	1.30	1.62	23.88	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
41.84	137.73	179.57	49.37	121.44	170.81	7.53	-16.29	-8.76

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

Element	Peak(20:00 Hrs)	Off Peak(03:00 Hrs	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	-24	-31	0	0	1	0	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	0.06	6.22	49.00	69.61	18.92	4.86	0.43	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum		Frequency	Variation		MAX	MIN	
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)	
50.22	13.03	49.79	15.25	50.00	0.044	0.066	50.19	0.00	30.39

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	409	13:02	401	05:33	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	12:58	401	23:31	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	411	07:01	388	14:07	0.0	0.0	0.0	0.0	0.0
Kanpur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Dadri	400	420	07:01	397	23:05	0.0	0.0	0.0	0.0	0.0
Ballabhgarh	400	425	07:52	399	23:01	0.0	0.0	15.7	0.0	15.7
Bawana	400	424	08:04	399	23:04	0.0	0.0	9.1	0.0	9.1
Bassi	400	420	18:14	390	23:05	0.0	0.0	0.0	0.0	0.0
Hissar	400	421	08:04	395	23:01	0.0	0.0	0.3	0.0	0.3
Moga	400	418	13:03	396	22:41	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	13:04	401	19:09	0.0	0.0	28.6	0.0	28.6
Nalagarh	400	430	13:03	406	19:20	0.0	0.0	40.7	0.0	40.7
Kishenpur	400	415	13:01	395	22:20	0.0	0.0	0.0	0.0	0.0
Wagoora	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Amritsar	400	423	13:05	401	23:04	0.0	0.0	2.1	0.0	2.1
Kashipur	400	417	07:00	408	22:30	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	422	13:05	405	00:00	0.0	0.0	0.8	0.0	0.8
Rishikesh	400	401	07:41	378	23:04	0.3	38.1	0.0	0.0	0.3

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	775	13:03	735	23:05	0.0	7.8	0.0	0.0	0.0
Balia	765	780	13:06	747	23:31	0.0	0.0	0.0	0.0	0.0
Moga	765	800	13:04	757	23:04	0.0	0.0	0.0	0.0	0.0
Agra	765	789	08:05	742	23:04	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	793	10:00	756	23:05	0.0	0.0	0.0	0.0	0.0
Unnao	765	768	13:19	738	00:00	0.0	5.7	0.0	0.0	0.0
Lucknow	765	781	13:02	748	00:00	0.0	0.0	0.0	0.0	0.0
Meerut	765	804	08:02	759	23:03	0.0	0.0	9.6	0.0	9.6
Jhatikara	765	801	08:04	753	23:01	0.0	0.0	0.5	0.0	0.5
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	779	18:29	753	23:05	0.0	0.0	0.0	0.0	0.0
Phagi	765	788	18:31	742	22:44	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	477.98	414.26	482.81	527.87	344.96	477.20
Pong	426.72	384.05	394.83	121.45	404.49	328.16	54.51	202.72
Tehri	829.79	740.04	744.15	19.78	765.45	167.00	73.86	140.00
Koteshwar	612.50	598.50	609.82	4.44	610.89	4.95	140.00	147.41
Chamera-I	760.00	748.75	756.25	0.00	0.00	0.00	180.41	200.64
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	497.43	0.35	517.79	2.17	186.53	21.11

*** NA: Not Available**

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 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	69	0	-388	249	0	-1.24	6.49	5.25
Delhi	-76	-117	0	-56	267	0	-1.58	5.36	3.78
Haryana	500	300	0	353	302	0	7.14	2.88	10.02
HP	-177	-81	0	-25	-638	0	-1.82	-4.72	-6.54
J&K	-183	-23	0	-107	138	0	-3.27	-0.15	-3.43
CHD	0	0	0	0	0	0	0.00	0.60	0.60
Rajasthan	-56	422	0	-56	419	0	-1.33	9.00	7.67
UP	292	360	0	270	0	0	6.24	3.63	9.87
Uttarakhand	0	450	66	223	376	66	5.98	6.92	12.90
Total	**306**	**1379**	**66**	**213**	**1114**	**66**	**10.12**	**30.01**	**40.13**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	22	-388	356	-28	0	0
Delhi	-27	-76	725	-165	0	0
Haryana	500	100	316	-279	0	0
HP	-25	-177	4	-914	0	0
J&K	-107	-183	138	-111	0	0
CHD	0	0	69	0	0	0
Rajasthan	-56	-56	425	-36	0	0
UP	311	181	1180	0	0	0
Uttarakhand	466	0	488	23	66	66

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	**1.39%**

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

WR	**0.00%**
ER	**0.00%**
Simultaneous	**23.26%**

(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 21.04.2016 :
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 :

Note: Data(regarding drawal,generation, shortage , inter-regional flows and reservoir levels)of the constituents filled in the report are as per last furnished data by the respective state/constituent to NRLDC.

Report for : 21.04.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**