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 22.04.2016
Date of Reporting : 23.04.2016

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
41557	528	42085	50.00	39535	827	40361	50.07	918.7	18.77

* 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	46.68	5.61		52.29	62.21	61.59	-0.62	113.88	0.00
Haryana	42.65	0.45		43.10	89.26	86.76	-2.50	129.86	0.00
Rajasthan	126.27	0.29	19.14	145.69	43.84	44.98	1.14	190.67	0.00
Delhi	21.22			21.22	76.47	74.88	-1.58	96.10	0.03
UP	156.87	6.14		163.01	127.86	114.33	-13.53	277.34	8.64
Uttarakhand		11.42		11.42	26.63	27.56	0.93	38.98	0.00
HP		10.73		10.73	13.27	13.21	-0.06	23.94	0.00
J & K		17.02	0.00	17.02	20.39	25.91	5.52	42.93	10.10
Chandigarh				0.00	5.21	5.04	0.27	5.04	0.00
Total	**393.69**	**51.65**	**19.14**	**464.48**	**465.15**	**454.26**	**-10.44**	**918.74**	**18.77**

* 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	-12	-139	5069	0	-34	173	5474
Haryana	6764	0	-304	651	6270	0	-105	811	7206
Rajasthan	7668	0	-30	-54	7120	0	62	-469	9052
Delhi	4160	0	-68	-45	3941	5	-28	-223	4653
UP	12385	0	82	265	12823	510	-1015	1582	13613
Uttarakhand	1892	0	164	716	1513	0	49	562	1892
HP	1000	32	-111	-606	857	0	25	-248	1203
J&K	1985	496	116	-120	1766	312	226	-209	2006
Chandigarh	229	0	1	0	176	0	-6	0	251
Total	**41557**	**528**	**-162**	**667**	**39535**	**827**	**-826**	**1978**	**42364**

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

Diversity is 1.07

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	922	1038	22.30	929	21.39	0.91
	Rihand I STPS (2*500)	1000	791	841	854	18.04	752	17.84	0.21
	Rihand II STPS (2*500)	1000	948	934	1007	21.59	900	21.29	0.30
	Rihand III STPS (2*500)	1000	945	901	990	21.63	901	21.88	-0.25
	Dadri I STPS (4*210)	840	809	615	876	15.14	631	15.76	-0.61
	Dadri II STPS (2*490)	980	483	446	479	9.04	377	9.77	-0.73
	Unchahar I TPS (2*210)	420	340	311	365	7.58	316	7.51	0.07
	Unchahar II TPS (2*210)	420	200	179	217	4.39	183	4.40	-0.01
	Unchahar III TPS (1*210)	210	200	201	218	4.14	173	4.20	-0.06
	ISTPP (Jhajjhar) (3*500)	1500	950	843	867	16.28	678	16.35	-0.08
	Dadri GPS (4*130.19+2*154.51)	830	772	368	381	8.50	354	8.73	-0.22
	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	148	149	3.45	144	3.51	-0.06
	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	0.07	0.01
	KHEP(4*200)	800	655	655	0	4.67	195	4.50	0.17
	Sub Total (A)	**12112**	**8899**	**7364**	**7441**	**157**	**6537**	**157**	**0**
B. NPC	NAPS (2*220)	440	391	426	437	9.47	395	9.38	0.09
	RAPS- B (2*220)	440	312	188	191	3.87	161	6.50	-2.63
	RAPS- C (2*220)	440	415	443	445	9.51	396	9.96	-0.45
	Sub Total (B)	**1320**	**1118**	**1057**	**1073**	**22.85**	**952**	**25.84**	**-2.99**
C. NHPC	Chamera I HPS (3*180)	540	535	540	100	7.50	312	7.10	0.40
	Chamera II HPS (3*100)	300	300	303	205	4.65	194	4.56	0.09
	Chamera III HPS (3*77)	231	231	229	143	3.06	127	2.94	0.12
	Bairasuil HPS(3*60)	180	179	184	84	2.77	116	2.67	0.10
	Salal-HPS (6*115)	690	437	595	454	11.50	479	10.54	0.96
	Tanakpur-HPS (3*31.4)	94	25	30	60	0.71	30	0.60	0.11
	Uri-I HPS (4*120)	480	475	473	472	11.47	478	11.40	0.07
	Uri-II HPS (4*60)	240	235	238	238	5.66	236	5.65	0.01
	Dhauliganga-HPS (4*70)	280	280	283	143	2.08	87	1.93	0.15
	Dulhasti-HPS (3*130)	390	387	403	243	8.27	344	8.02	0.25
	Sewa-II HPS (3*40)	120	119	121	0	1.01	42	1.00	0.01
	Parbati 3 (4*130)	520	260	263	0	1.70	71	1.65	0.05
	Sub Total (C)	**4065**	**3464**	**3660**	**2141**	**60**	**2516**	**58**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1601	253	13.14	548	12.96	0.18
	Rampur HEP (6*68.67)	412	375	373	72	3.55	148	3.39	0.16
	Sub Total (D)	**1912**	**1980**	**1974**	**325**	**16.69**	**696**	**16.35**	**0.35**
E. THDC	Tehri HPS (4*250)	1000	393	394	132	3.68	154	3.70	-0.02
	Koteshwar HPS (4*100)	400	92	101	91	2.24	93	2.20	0.04
	Sub Total (E)	**1400**	**485**	**495**	**223**	**5.92**	**247**	**5.90**	**0.02**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	576	1110	345	13.78	574	13.82	-0.04
	Dehar HPS (6*165)	990	403	660	165	9.62	401	9.67	-0.05
	Pong HPS (6*66)	396	61	159	53	1.40	58	1.45	-0.05
	Sub Total (F)	**2765**	**1039**	**1929**	**563**	**24.80**	**1033**	**24.95**	**-0.14**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	49	49	1.10	46	1.06	0.04
	KARCHAM WANGTOO HPS(IPP) (	1000	0	680	270	6.68	278	6.70	-0.02
	Malana Stg-II HPS (2*50)	100	0	105	25	0.66	28	0.64	0.02
	Shree Cement TPS (2*150)	300	0	290	293	6.92	288	6.97	-0.04
	Budhil HPS(IPP) (2*35)	70	0	36	36	0.55	23	0.56	0.00
	Sub Total (G)	1662	0	1160	672	15.91	663	15.91	-0.01
H. Total Regional Entities (A-G)		**25237**	**16985**	**17639**	**12438**	**303.46**	**12644**	**304.25**	**-0.79**

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	180	160	3.64	152
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.21	92
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	441	201	7.36	307
	Goindwal(GVK) (2*270)	540	0	0	2.03	85
	Rajpura (2*700)	1400	1060	1320	22.98	957
	Talwandi Saboo (3*660)	1980	308	308	8.46	353
	Thermal (Total)	**6560**	**2089**	**2089**	**46.68**	**1945**
	Total Hydro	1000	189	238	5.61	234
	Total Punjab	**7560**	**2278**	**2327**	**52.29**	**2179**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	463	425	10.11	421
	DCRTPP (Yamuna nagar) (2*300)	600	533	525	11.50	479
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1110	990	21.03	876
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**2106**	**1940**	**42.65**	**1777**
	Total Hydro	62	13	27	0.45	19
	Total Haryana	**5006**	**2119**	**1967**	**43.10**	**1796**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	908	951	21.25	885
	suratgarh TPS (6*250)	1500	831	764	18.15	756
	Chabra TPS (4*250)	1000	778	900	19.72	822
	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	190	178	4.67	195
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	92	92	2.07	86
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	379	721	12.92	538
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	821	1091	21.69	904
	Kawai(Adani) (2*660)	1320	881	1175	25.80	1075
	Thermal (Total)	**8876**	**4880**	**5872**	**126**	**5261**
	Total Hydro	550	0	0	0.29	12
	Wind power	3214	462	901	15.30	638
	Biomass	99	31	31	0.74	31
	Solar	730	0	0	3.10	129
	Renewable/Others (Total)	4043	493	932	19.14	797
	Total Rajasthan	**13469**	**5373**	**6804**	**145.69**	**6071**
UP	Anpara TPS (3*210+2*500)	1630	1221	1222	29.40	1225
	Obra TPS (2*50+2*94+5*200)	1194	110	270	4.60	192
	Paricha TPS (2*110+2*220+2*250)	1160	996	998	22.80	950
	Panki TPS (2*105)	210	72	72	1.70	71
	Harduaganj TPS (1*60+1*105+2*250)	665	544	548	13.10	546
	Tanda TPS (NTPC) (4*110)	440	292	290	7.00	292
	Roza TPS (IPP) (4*300)	1200	1094	1089	25.98	1083
	Anpara-C (IPP) (2*600)	1200	1080	1081	25.84	1077
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	302	405	8.33	347
	Anpara-D(2*500)	1000	0	0	0.00	0
	Lalitpur TPS(3*660)	1980	402	0	4.10	171
	Bara(2*660)	1320	437	505	9.21	384
	Thermal (Total)	**12449**	**6550**	**6480**	**152**	**6336**
	Vishnuparyag HPS (IPP)(4*110)	440	122	122	2.79	116
	Alaknanada(4*82.5)	330	124	84	1.78	74
	Other Hydro	527	72	127	1.58	66
	Cogeneration	981	200	200	4.80	200
	Total UP	**14727**	**7068**	**7013**	**163**	**6792**
Uttarakhand	Total Hydro	1398	578	438	11.42	476
	Total Uttarakhand	**1398**	**578**	**438**	**11.42**	**476**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	36	36	0.81	34
	Pragati Gas Turbine (2x104+ 1x122)	330	267	263	6.49	270
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	254	253	6.11	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	328	322	7.82	326
	Thermal (Total)	2917	885	874	21.22	884
	Total Delhi	**2917**	**885**	**874**	**21.22**	**884**
HP	Baspa HPS (IPP) (3*100)	300	59	59	1.44	60
	Malana HPS (IPP) (2*43)	86	22	44	0.76	32
	Other Hydro	878	375	351	8.54	356
	Total HP	**1264**	**456**	**454**	**10.73**	**447**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	591	736	14.77	615
	Other Hydro/IPP	560	118	81	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**709**	**817**	**17.02**	709
Total State Control Area Generation		**47841**	**19466**	**20694**	**464.48**	**19353**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5731**	**8239**	**173.84**	**7243**
Total Regional Availability(Gross)		**73078**	**42836**	**41371**	**941.78**	**39241**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9547**	**3595**	**120.91**	**5038**
State Control Area Hydro	**6881**	**2263**	**2307**	**52**	**2152**
Total Regional Hydro	**19115**	**11810**	**5902**	**172.56**	**7190**

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)	-100	250	250	100	3.37	0.48	2.89
765 KV Gwalior-Agra (D/C)	2322	2939	3238	0	61.69	0.00	61.69
400 KV Zerda-Kankroli	-191	-242	0	308	0.00	5.61	-5.61
400 KV Zerda-Bhinmal	-154	-183	41	288	0.00	4.01	-4.01
220 KV Auraiya-Malanpur	-36	-6	0	52	0.00	0.33	-0.33
220 KV Badod-Kota/Morak	2	21	87	34	0.49	0.00	0.49
Mundra-Mohindergarh(HVDC Bipole)	2003	2498	2507	0	56.69	0.00	56.69
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	623	682	1000	0	16.83	0.00	16.83
Sub Total WR	**4469**	**5959**			**139.08**	**10.43**	**128.65**

Pusauli Bypass/HVDC	100	100	100	0	2.42	0.00	2.42
400 KV MZP- GKP (D/C)	138	230	256	66	2.90	0.00	2.90
400 KV Patna-Balia(D/C) X 2	172	435	501	0	9.19	0.00	9.19
400 KV B'Sharif-Balia (D/C)	25	234	236	0	2.65	0.00	2.65
765 KV Gaya-Balia	144	264	264	0	2.25	0.00	2.25
765 KV Gaya-Varanasi -1	68	134	276	37	5.65	1.09	4.56
220 KV Pusauli-Sahupuri	157	185	198	0	3.82	0.00	3.82
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-24	-27	0	30	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-200	-127	58	267	0.00	2.66	-2.66
400 KV Barh -GKP (D/C)	284	396	610	0	8.43	0.00	8.43
400 kvB'Sharif - Varanasi (D/C)	-102	-44	34	153	0.00	0.34	-0.34
Sub Total ER	**762**	**1780**			**38.29**	**4.69**	**33.60**
+/- 800 KV BiswanathCharialli-Agra	500	500	486	0	11.59	0.00	11.59
Sub Total NER	**500**	**500**			**11.59**	**0.00**	**11.59**
Total IR Exch	**5731**	**8239**			**188.95**	**15.11**	**173.84**

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
35.92	0.69	36.61	3.83	1.50	2.93	21.35	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
43.36	136.45	179.81	45.19	128.65	173.84	1.83	-7.79	-5.97

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	-31	-26	0	33	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	3.28	46.62	75.72	16.70	4.11	0.27	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)	
50.23	18.03	49.81	22.08	50.00	0.033	0.057	50.21	0.00	24.28

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	07:59	400	00:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	425	13:02	398	19:27	0.0	0.0	8.2	0.0	8.2
Bareilly(PG)400kV	400	420	18:04	384	18:35	0.0	0.1	0.0	0.0	0.0
Kanpur	400	420	08:03	400	00:46	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	08:01	402	00:07	0.0	0.0	0.5	0.0	0.5
Ballabhgarh	400	427	08:04	405	00:02	0.0	0.0	25.3	0.0	25.3
Bawana	400	424	08:03	404	00:00	0.0	0.0	14.8	0.0	14.8
Bassi	400	424	18:31	395	23:16	0.0	0.0	3.4	0.0	3.4
Hissar	400	422	18:01	400	00:01	0.0	0.0	0.8	0.0	0.8
Moga	400	419	18:01	399	22:46	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	427	13:23	405	19:42	0.0	0.0	48.2	0.0	48.2
Nalagarh	400	428	18:00	409	22:48	0.0	0.0	48.6	0.0	48.6
Kishenpur	400	420	03:34	397	22:07	0.0	0.0	0.0	0.0	0.0
Wagoora	400	410	03:42	374	20:21	14.1	23.7	0.0	0.0	14.1
Amritsar	400	424	03:50	404	22:07	0.0	0.0	23.6	0.0	23.6
Kashipur	400	423	18:16	410	00:45	0.0	0.0	4.3	0.0	4.3
Hamirpur	400	421	05:30	405	23:11	0.0	0.0	0.2	0.0	0.2
Rishikesh	400	417	18:19	384	00:46	0.0	9.4	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
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	781	08:03	744	00:50	0.0	0.0	0.0	0.0	0.0
Balia	765	786	08:03	748	19:34	0.0	0.0	0.0	0.0	0.0
Moga	765	805	18:01	763	00:07	0.0	0.0	2.3	0.0	2.3
Agra	765	797	18:31	753	01:08	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	780	08:04	743	00:48	0.0	0.0	0.0	0.0	0.0
Lucknow	765	791	08:04	753	00:47	0.0	0.0	0.0	0.0	0.0
Meerut	765	814	18:15	766	00:01	0.0	0.0	17.9	0.0	17.9
Jhatikara	765	803	18:16	764	22:47	0.0	0.0	2.1	0.0	2.1
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	778	17:59	756	22:46	0.0	0.0	0.0	0.0	0.0
Phagi	765	792	18:01	749	22:47	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	477.82	414.26	483.06	536.06	343.51	499.25
Pong	426.72	384.05	394.78	121.45	404.58	328.16	44.71	113.41
Tehri	829.79	740.04	743.75	17.00	765.10	164.00	82.95	140.00
Koteshwar	612.50	598.50	609.30	4.21	610.89	4.95	140.00	147.44
Chamera-I	760.00	748.75	756.00	0.00	0.00	0.00	184.77	206.76
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	497.82	0.38	518.06	2.10	188.88	18.29

*** 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	10	163	0	-388	249	0	-1.25	6.51	5.26
Delhi	-76	-147	0	-76	31	0	-1.59	3.97	2.38
Haryana	500	311	0	353	298	0	7.39	4.01	11.40
HP	-177	-71	0	-25	-581	0	-1.82	-4.82	-6.64
J&K	-183	-26	0	-107	-13	0	-4.00	-0.77	-4.77
CHD	0	0	0	0	0	0	0.00	0.60	0.60
Rajasthan	-56	-414	0	-56	2	0	-1.33	4.42	3.08
UP	477	1105	0	265	0	0	7.51	6.76	14.27
Uttarakhand	0	386	175	223	329	163	5.78	9.16	14.94
Total	**495**	**1308**	**175**	**189**	**315**	**163**	**10.69**	**29.84**	**40.54**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	22	-388	351	-32	0	0
Delhi	-17	-116	684	-251	0	0
Haryana	500	100	334	-174	0	0
HP	-25	-177	-38	-847	0	0
J&K	-107	-243	-13	-114	0	0
CHD	0	0	74	0	0	0
Rajasthan	-56	-56	416	-666	0	0
UP	550	176	1460	0	0	0
Uttarakhand	466	0	448	37	221	153

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	**8.68%**

(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 22.04.2016 :
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 : 22.04.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**