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 12.04.2016
Date of Reporting : 13.04.2016

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
38912	2240	41152	50.02	35670	474	36143	50.08	837.1	32.86

* 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	45.23	4.07		49.30	50.68	50.99	0.31	100.29	0.00
Haryana	31.18	0.29		31.47	80.98	78.22	-2.76	109.70	0.00
Rajasthan	123.31	0.23	8.48	132.02	52.38	54.20	1.82	186.22	0.18
Delhi	11.81			11.81	68.19	67.19	-1.00	79.00	0.07
UP	156.33	3.84		160.18	99.12	97.04	-2.08	257.22	21.35
Uttarakhand		7.58		7.58	24.43	27.27	2.84	34.85	0.11
HP		7.18		7.18	13.88	16.00	2.11	23.18	1.11
J & K		12.81	0.00	12.81	25.48	29.76	4.28	42.58	10.05
Chandigarh				0.00	3.90	4.07	0.27	4.07	0.00
Total	**367.87**	**36.01**	**8.48**	**412.36**	**419.03**	**424.74**	**5.81**	**837.10**	**32.86**

* 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	4532	0	-162	-731	3861	0	42	-580	4670
Haryana	6101	0	-615	707	4229	0	-92	119	6116
Rajasthan	8004	0	-160	530	7496	0	205	373	8288
Delhi	3645	0	-117	-249	2977	0	58	-440	3737
UP	11626	1640	122	242	13350	200	21	2111	13355
Uttarakhand	1692	80	90	496	1306	0	72	487	1710
HP	1030	0	-140	-311	775	0	77	165	1240
J&K	2081	520	102	26	1553	274	150	-97	2081
Chandigarh	200	0	-5	-20	123	0	-5	0	200
Total	**38912**	**2240**	**-885**	**689**	**35670**	**474**	**530**	**2138**	**39109**

* 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	1044	1040	22.54	939	21.56	0.98
	Rihand I STPS (2*500)	1000	732	804	809	16.86	702	16.62	0.24
	Rihand II STPS (2*500)	1000	946	1007	1035	21.91	913	21.57	0.34
	Rihand III STPS (2*500)	1000	943	1015	1002	21.31	888	21.81	-0.50
	Dadri I STPS (4*210)	840	815	623	626	13.77	574	14.03	-0.27
	Dadri II STPS (2*490)	980	485	467	363	8.70	362	9.21	-0.51
	Unchahar I TPS (2*210)	420	170	163	327	4.08	170	4.01	0.07
	Unchahar II TPS (2*210)	420	202	220	158	4.24	177	4.29	-0.04
	Unchahar III TPS (1*210)	210	202	218	183	4.18	174	4.24	-0.06
	ISTPP (Jhajjhar) (3*500)	1500	950	856	626	14.57	607	14.79	-0.22
	Dadri GPS (4*130.19+2*154.51)	830	790	370	337	8.49	354	8.76	-0.27
	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	647	13	0	0.62	26	0.70	-0.08
	Dadri Solar(5)	5	1	0	0	0.03	1	0.02	0.00
	Unchahar Solar(10)	10	1	0	0	0.04	2	0.03	0.01
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	872	785	0	2.87	119	2.70	0.17
	Sub Total (A)	**12112**	**8939**	**7585**	**6506**	**144**	**6011**	**144**	**0**
B. NPC	NAPS (2*220)	440	400	219	222	9.63	401	9.60	0.03
	RAPS- B (2*220)	440	375	417	420	8.99	375	9.00	-0.01
	RAPS- C (2*220)	440	415	447	445	9.58	399	9.96	-0.38
	Sub Total (B)	**1320**	**1190**	**1083**	**1087**	**28.20**	**1175**	**28.56**	**-0.36**
C. NHPC	Chamera I HPS (3*180)	540	534	413	0	2.79	116	2.60	0.19
	Chamera II HPS (3*100)	300	300	304	0	2.17	90	2.08	0.09
	Chamera III HPS (3*77)	231	231	232	0	1.28	53	1.18	0.09
	Bairasuil HPS(3*60)	180	179	184	0	2.42	101	2.33	0.09
	Salal-HPS (6*115)	690	387	336	539	9.96	415	9.21	0.75
	Tanakpur-HPS (3*31.4)	94	16	24	14	0.44	18	0.38	0.06
	Uri-I HPS (4*120)	480	475	472	472	11.44	477	11.40	0.04
	Uri-II HPS (4*60)	240	211	240	226	5.18	216	5.11	0.08
	Dhauliganga-HPS (4*70)	280	280	283	0	1.03	43	0.94	0.09
	Dulhasti-HPS (3*130)	390	389	400	0	4.82	201	4.50	0.32
	Sewa-II HPS (3*40)	120	119	128	70	2.57	107	2.34	0.22
	Parbati 3 (4*130)	520	135	263	0	0.54	22	0.52	0.02
	Sub Total (C)	**4065**	**3258**	**3278**	**1322**	**45**	**1860**	**43**	**2**
D.SJVNL	NJPC (6*250)	1500	1565	918	0	8.04	335	7.94	0.10
	Rampur HEP (6*68.67)	412	316	373	0	2.26	94	2.18	0.08
	Sub Total (D)	**1912**	**1882**	**1291**	**0**	**10.30**	**429**	**10.12**	**0.19**
E. THDC	Tehri HPS (4*250)	1000	411	410	0	4.20	175	4.20	0.00
	Koteshwar HPS (4*100)	400	92	101	95	2.30	96	2.20	0.10
	Sub Total (E)	**1400**	**503**	**511**	**95**	**6.50**	**271**	**6.40**	**0.10**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	427	854	387	10.49	437	10.25	0.24
	Dehar HPS (6*165)	990	226	660	165	5.49	229	5.42	0.07
	Pong HPS (6*66)	396	12	54	0	0.30	13	0.28	0.02
	Sub Total (F)	**2765**	**665**	**1568**	**552**	**16.28**	**678**	**15.95**	**0.33**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	67	0	0.56	23	0.54	0.02
	KARCHAM WANGTOO HPS(IPP) (	1000	0	680	150	4.07	169	4.08	-0.01
	Malana Stg-II HPS (2*50)	100	0	0	0	0.29	12	0.30	-0.01
	Shree Cement TPS (2*150)	300	0	294	295	7.00	292	7.00	-0.01
	Budhil HPS(IPP) (2*35)	70	0	10	0	0.30	12	0.35	-0.05
	Sub Total (G)	1662	0	1051	445	12.21	509	12.26	-0.05
H. Total Regional Entities (A-G)		**25237**	**16436**	**16367**	**10007**	**262.40**	**10933**	**260.29**	**2.11**

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	160	160	3.71	154
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	0.00	0
	Goindwal(GVK) (2*270)	540	279	278	5.96	248
	Rajpura (2*700)	1400	1210	1320	25.77	1074
	Talwandi Saboo (3*660)	1980	558	414	9.80	408
	Thermal (Total)	**6560**	**2207**	**2172**	**45.23**	**1885**
	Total Hydro	1000	87	254	4.07	170
	Total Punjab	**7560**	**2294**	**2426**	**49.30**	**2054**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	228	210	5.03	210
	DCRTPP (Yamuna nagar) (2*300)	600	549	466	11.39	475
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	184	319	5.23	218
	RGTPP (khedar) (IPP) (2*600)	1200	566	377	9.53	397
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1527**	**1372**	**31.18**	**1299**
	Total Hydro	62	8	11	0.29	12
	Total Haryana	**5006**	**1535**	**1383**	**31.47**	**1311**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	871	696	19.77	824
	suratgarh TPS (6*250)	1500	194	197	5.05	211
	Chabra TPS (4*250)	1000	858	886	21.38	891
	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	163	167	4.71	196
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	64	63	1.35	56
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	803	795	18.63	776
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1047	894	24.07	1003
	Kawai(Adani) (2*660)	1320	1193	1188	28.34	1181
	Thermal (Total)	**8876**	**5193**	**4886**	**123**	**5138**
	Total Hydro	550	0	20	0.23	10
	Wind power	3214	56	361	4.68	195
	Biomass	99	18	18	0.43	18
	Solar	730	0	0	3.37	140
	Renewable/Others (Total)	4043	74	379	8.48	353
	Total Rajasthan	**13469**	**5267**	**5285**	**132.02**	**5501**
UP	Anpara TPS (3*210+2*500)	1630	1229	1230	28.28	1178
	Obra TPS (2*50+2*94+5*200)	1194	423	325	8.50	354
	Paricha TPS (2*110+2*220+2*250)	1160	986	822	21.00	875
	Panki TPS (2*105)	210	0	77	0.80	33
	Harduaganj TPS (1*60+1*105+2*250)	665	526	530	11.50	479
	Tanda TPS (NTPC) (4*110)	440	380	384	8.45	352
	Roza TPS (IPP) (4*300)	1200	761	1107	22.48	937
	Anpara-C (IPP) (2*600)	1200	1080	1080	23.26	969
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	405	7.80	325
	Anpara-D(2*500)	1000	78	0	0.42	18
	Lalitpur TPS(3*660)	1980	325	514	9.25	386
	Bara(2*660)	1320	284	288	7.38	308
	Thermal (Total)	**12449**	**6355**	**6762**	**149**	**6214**
	Vishnuparyag HPS (IPP)(4*110)	440	76	70	1.74	73
	Alaknanada(4*82.5)	330	0	75	1.04	43
	Other Hydro	527	35	54	1.06	44
	Cogeneration	981	300	300	7.20	300
	Total UP	**14727**	**6766**	**7261**	**160**	**6674**
Uttarakhand	Total Hydro	1398	442	236	7.58	316
	Total Uttarakhand	**1398**	**442**	**236**	**7.58**	**316**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	29	32	0.87	36
	Pragati Gas Turbine (2x104+ 1x122)	330	262	290	6.75	281
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	0.00	0
	Badarpur TPS (NTPC) (3*95+2*210)	705	183	184	4.19	175
	Thermal (Total)	2917	474	506	11.81	492
	Total Delhi	**2917**	**474**	**506**	**11.81**	**492**
HP	Baspa HPS (IPP) (3*100)	300	0	0	0.97	40
	Malana HPS (IPP) (2*43)	86	0	0	0.31	13
	Other Hydro	878	258	227	5.90	246
	Total HP	**1264**	**258**	**227**	**7.18**	**299**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	440	440	10.56	440
	Other Hydro/IPP	560	118	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**558**	**522**	**12.81**	534
Total State Control Area Generation		**47841**	**17594**	**17845**	**412.36**	**17182**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6782**	**8769**	**179.24**	**7469**
Total Regional Availability(Gross)		**73078**	**40742**	**36620**	**854.01**	**35584**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8180**	**2119**	**85.50**	**3562**
State Control Area Hydro	**6881**	**1464**	**1469**	**36**	**1500**
Total Regional Hydro	**19115**	**9644**	**3588**	**121.51**	**5063**

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)	50	250	250	0	3.92	0.00	3.92
765 KV Gwalior-Agra (D/C)	2435	3124	3134	0	59.16	0.00	59.16
400 KV Zerda-Kankroli	-61	-82	0	249	0.00	3.42	-3.42
400 KV Zerda-Bhinmal	1	-35	62	156	0.00	1.68	-1.68
220 KV Auraiya-Malanpur	-27	24	0	53	0.00	0.12	-0.12
220 KV Badod-Kota/Morak	-13	38	48	44	0.00	0.11	-0.11
Mundra-Mohindergarh(HVDC Bipole)	2204	2205	2506	0	53.20	0.00	53.20
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	630	999	1010	0	21.47	0.00	21.47
Sub Total WR	**5219**	**6523**			**137.75**	**5.33**	**132.42**

Pusauli Bypass/HVDC	200	200	200	0	4.84	0.00	4.84
400 KV MZP- GKP (D/C)	72	318	348	66	4.47	0.00	4.47
400 KV Patna-Balia(D/C) X 2	282	261	373	0	6.44	0.00	6.44
400 KV B'Sharif-Balia (D/C)	94	239	254	0	4.11	0.00	4.11
765 KV Gaya-Balia	248	388	394	0	3.71	0.00	3.71
765 KV Gaya-Varanasi -1	178	185	479	0	6.96	0.00	6.96
220 KV Pusauli-Sahupuri	141	196	212	0	3.77	0.00	3.77
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-27	-30	0	30	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-174	-136	76	205	0.00	1.70	-1.70
400 KV Barh -GKP (D/C)	204	198	214	0	3.90	0.00	3.90
400 kvB'Sharif - Varanasi (D/C)	-140	-60	0	184	0.00	1.72	-1.72
Sub Total ER	**1078**	**1759**			**39.16**	**3.98**	**35.18**
+/- 800 KV BiswanathCharialli-Agra	485	487	487	0	11.64	0.00	11.64
Sub Total NER	**485**	**487**			**11.64**	**0.00**	**11.64**
Total IR Exch	**6782**	**8769**			**188.55**	**9.30**	**179.24**

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
39.34	0.30	39.64	5.89	4.92	-0.27	14.12	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
45.25	130.88	176.13	46.82	132.42	179.24	1.57	1.54	3.11

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	-30	-31	0	33	0	1	-0.71

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	0.51	7.31	49.00	69.42	17.60	5.71	0.01	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)	
50.20	17.03	49.76	22.34	50.00	0.044	0.066	0.00	0.00	30.58

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	404	07:18	398	00:30	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	423	17:03	403	02:08	0.0	0.0	5.4	0.0	5.4
Bareilly(PG)400kV	400	417	17:32	402	10:54	0.0	0.0	0.0	0.0	0.0
Kanpur	400	419	08:04	404	19:11	0.0	0.0	0.0	0.0	0.0
Dadri	400	421	08:03	405	19:13	0.0	0.0	0.1	0.0	0.1
Ballabhgarh	400	427	08:01	409	14:36	0.0	0.0	35.5	0.0	35.5
Bawana	400	425	08:04	408	19:10	0.0	0.0	30.3	0.0	30.3
Bassi	400	420	04:01	402	19:36	0.0	0.0	0.0	0.0	0.0
Hissar	400	420	01:59	404	19:12	0.0	0.0	0.0	0.0	0.0
Moga	400	420	01:59	407	19:12	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	02:00	406	19:12	0.0	0.0	32.1	0.0	32.1
Nalagarh	400	434	02:00	413	19:10	0.0	0.0	68.9	4.5	68.9
Kishenpur	400	422	03:59	400	19:22	0.0	0.0	3.1	0.0	3.1
Wagoora	400	410	13:01	376	19:24	10.5	29.6	0.0	0.0	10.5
Amritsar	400	430	02:00	411	14:42	0.0	0.0	38.4	0.0	38.4
Kashipur	400	420	21:45	413	00:40	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	424	21:55	408	12:11	0.0	0.0	2.3	0.0	2.3
Rishikesh	400	415	21:56	387	09:50	0.0	5.6	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	08:05	744	19:13	0.0	0.0	0.0	0.0	0.0
Balia	765	780	17:03	753	02:07	0.0	0.0	0.0	0.0	0.0
Moga	765	801	18:00	778	19:12	0.0	0.0	0.0	0.0	0.0
Agra	765	790	07:01	760	14:47	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	798	21:50	778	11:40	0.0	0.0	0.0	0.0	0.0
Unnao	765	763	17:38	744	19:12	0.0	0.0	0.0	0.0	0.0
Lucknow	765	784	13:01	762	01:11	0.0	0.0	0.0	0.0	0.0
Meerut	765	806	17:48	776	12:12	0.0	0.0	11.9	0.0	11.9
Jhatikara	765	800	07:44	769	14:37	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	772	02:00	760	00:00	0.0	0.0	0.0	0.0	0.0
Phagi	765	781	03:59	760	14:31	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	479.24	441.00	481.58	495.33	198.59	313.18
Pong	426.72	384.05	395.87	141.12	403.85	312.39	44.49	22.80
Tehri	829.79	740.04	748.35	41.11	768.95	189.00	46.39	154.00
Koteshwar	612.50	598.50	611.26	4.95	610.89	4.95	154.00	151.77
Chamera-I	760.00	748.75	755.05	0.00	0.00	0.00	107.82	77.03
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	496.10	1.31	515.59	0.80	133.52	170.26

*** 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	19	-599	0	-389	-342	0	-1.18	-2.21	-3.39
Delhi	-303	-137	0	-177	-73	0	-4.89	-0.70	-5.59
Haryana	519	-401	0	418	289	0	10.26	-5.17	5.09
HP	-176	342	0	-75	-236	0	-2.61	2.58	-0.04
J&K	-71	-26	0	-71	97	0	-1.12	0.40	-0.72
CHD	0	0	0	0	-20	0	0.00	0.16	0.16
Rajasthan	-8	381	0	-4	534	0	-0.17	10.54	10.37
UP	456	1655	0	242	0	0	6.12	9.24	15.37
Uttarakhand	389	98	0	389	107	0	9.25	2.68	11.93
Total	**824**	**1314**	**0**	**332**	**357**	**0**	**15.66**	**17.52**	**33.18**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-389	261	-823	0	0
Delhi	-177	-328	221	-257	0	0
Haryana	519	342	303	-795	0	0
HP	-75	-176	342	-406	0	0
J&K	3	-71	97	-26	0	0
CHD	0	0	50	-40	0	0
Rajasthan	-4	-8	555	-303	0	0
UP	545	159	1655	0	0	0
Uttarakhand	418	97	195	8	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	**17.36%**

(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 12.04.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
1. 315 MVA ICT-II at Bikaner first time charged on NO load at 21:11 hrs dt. 12.04.2016
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 : 12.04.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**