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 16.04.2016
Date of Reporting : 17.04.2016

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
42345	1403	43748	50.01	38271	1493	39764	49.90	912.4	37.86

* 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	52.77	7.00		59.77	51.56	50.04	-1.52	109.81	0.00
Haryana	39.50	0.35		39.85	83.78	82.50	-1.28	122.35	0.00
Rajasthan	113.77	0.25	24.99	139.01	51.57	52.22	0.64	191.23	0.63
Delhi	11.34			11.34	72.09	73.68	1.58	85.02	0.24
UP	180.83	4.70		185.53	114.25	112.28	-1.97	297.81	27.20
Uttarakhand		9.55		9.55	27.28	27.43	0.15	36.98	0.00
HP		9.09		9.09	12.95	14.05	1.11	23.14	0.00
J & K		12.81	0.00	12.81	27.08	28.76	1.68	41.57	9.80
Chandigarh				0.00	4.09	4.47	0.27	4.47	0.00
Total	**398.21**	**43.75**	**24.99**	**466.95**	**444.64**	**445.42**	**0.67**	**912.37**	**37.86**

* 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	5114	0	2	-168	4581	0	194	-989	5411
Haryana	7013	0	-40	702	5655	0	-167	866	7013
Rajasthan	7771	0	118	351	7758	25	49	145	8475
Delhi	4011	0	-45	-104	3525	0	204	-267	4198
UP	13333	885	-478	238	12947	1200	-5	1668	13908
Uttarakhand	1807	0	2	745	1424	0	-18	623	1807
HP	998	0	-23	-537	726	0	55	-180	1149
J&K	2072	518	192	78	1519	268	-51	-6	2072
Chandigarh	225	0	8	0	137	0	19	0	225
Total	**42345**	**1403**	**-263**	**1305**	**38271**	**1493**	**281**	**1859**	**42970**

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

Diversity is 1.03

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	1038	1052	22.97	957	21.67	1.30
	Rihand I STPS (2*500)	1000	735	820	797	16.94	706	16.54	0.40
	Rihand II STPS (2*500)	1000	948	1050	1027	22.14	922	21.75	0.39
	Rihand III STPS (2*500)	1000	945	1030	1025	22.21	925	21.87	0.33
	Dadri I STPS (4*210)	840	815	596	556	14.47	603	15.03	-0.56
	Dadri II STPS (2*490)	980	485	467	398	9.33	389	10.19	-0.86
	Unchahar I TPS (2*210)	420	340	373	363	7.69	320	7.65	0.04
	Unchahar II TPS (2*210)	420	200	218	216	4.31	180	4.37	-0.05
	Unchahar III TPS (1*210)	210	200	216	216	4.34	181	4.42	-0.08
	ISTPP (Jhajjhar) (3*500)	1500	950	836	320	15.60	650	15.88	-0.28
	Dadri GPS (4*130.19+2*154.51)	830	781	369	384	8.51	355	8.82	-0.31
	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	622	302	283	6.63	276	6.75	-0.12
	Dadri Solar(5)	5	1	0	0	0.02	1	0.03	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	0.00
	KHEP(4*200)	800	872	783	0	2.75	115	2.70	0.05
	Sub Total (A)	**12112**	**9078**	**8098**	**6637**	**158**	**6584**	**158**	**0**
B. NPC	NAPS (2*220)	440	400	420	433	9.39	391	9.60	-0.21
	RAPS- B (2*220)	440	374	415	416	8.93	372	8.98	-0.05
	RAPS- C (2*220)	440	415	437	447	9.42	393	9.96	-0.54
	Sub Total (B)	**1320**	**1189**	**1272**	**1296**	**27.74**	**1156**	**28.54**	**-0.79**
C. NHPC	Chamera I HPS (3*180)	540	535	365	0	4.72	197	4.49	0.23
	Chamera II HPS (3*100)	300	300	304	99	3.23	134	2.98	0.25
	Chamera III HPS (3*77)	231	231	233	0	1.91	80	1.82	0.09
	Bairasuil HPS(3*60)	180	179	182	21	2.72	113	2.62	0.10
	Salal-HPS (6*115)	690	345	495	321	9.21	384	8.25	0.96
	Tanakpur-HPS (3*31.4)	94	16	20	14	0.52	22	0.38	0.14
	Uri-I HPS (4*120)	480	475	475	473	11.52	480	11.40	0.13
	Uri-II HPS (4*60)	240	235	241	241	5.70	238	5.60	0.10
	Dhauliganga-HPS (4*70)	280	280	70	0	1.85	77	1.67	0.19
	Dulhasti-HPS (3*130)	390	387	399	134	6.28	262	5.95	0.33
	Sewa-II HPS (3*40)	120	119	128	0	1.15	48	1.00	0.15
	Parbati 3 (4*130)	520	260	261	130	1.29	54	1.28	0.01
	Sub Total (C)	**4065**	**3362**	**3173**	**1433**	**50**	**2088**	**47**	**3**
D.SJVNL	NJPC (6*250)	1500	1605	1610	0	10.85	452	10.48	0.38
	Rampur HEP (6*68.67)	412	375	361	0	2.93	122	2.74	0.19
	Sub Total (D)	**1912**	**1980**	**1971**	**0**	**13.78**	**574**	**13.21**	**0.57**
E. THDC	Tehri HPS (4*250)	1000	399	269	0	4.20	175	4.20	0.00
	Koteshwar HPS (4*100)	400	92	101	95	2.23	93	2.20	0.03
	Sub Total (E)	**1400**	**491**	**370**	**95**	**6.43**	**268**	**6.40**	**0.03**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	443	893	368	11.11	463	10.64	0.47
	Dehar HPS (6*165)	990	303	660	165	7.55	315	7.26	0.29
	Pong HPS (6*66)	396	68	216	0	1.66	69	1.64	0.02
	Sub Total (F)	**2765**	**814**	**1769**	**533**	**20.31**	**846**	**19.54**	**0.78**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	74	49	0.89	37	0.84	0.05
	KARCHAM WANGTOO HPS(IPP) (	1000	0	830	150	55.16	2298	5.30	49.86
	Malana Stg-II HPS (2*50)	100	0	0	0	0.46	19	0.43	0.03
	Shree Cement TPS (2*150)	300	0	292	298	7.02	292	7.04	-0.03
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.30	13	0.28	0.03
	Sub Total (G)	1662	0	1196	497	63.83	2660	13.89	49.94
H. Total Regional Entities (A-G)		**25237**	**16914**	**17849**	**10491**	**340.23**	**14176**	**286.79**	**53.44**

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	3.51	146
	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	204	205	4.45	185
	Goindwal(GVK) (2*270)	540	0	0	-0.12	-5
	Rajpura (2*700)	1400	1320	1320	24.48	1020
	Talwandi Saboo (3*660)	1980	816	1000	20.48	854
	Thermal (Total)	**6560**	**2500**	**2685**	**52.77**	**2199**
	Total Hydro	1000	331	440	7.00	292
	Total Punjab	**7560**	**2831**	**3125**	**59.77**	**2490**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	231	210	5.05	211
	DCRTPP (Yamuna nagar) (2*300)	600	526	458	11.12	463
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	182	164	4.10	171
	RGTPP (khedar) (IPP) (2*600)	1200	1125	754	19.23	801
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**2064**	**1586**	**39.50**	**1646**
	Total Hydro	62	9	16	0.35	15
	Total Haryana	**5006**	**2073**	**1602**	**39.85**	**1660**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1024	855	22.58	941
	suratgarh TPS (6*250)	1500	383	229	10.33	430
	Chabra TPS (4*250)	1000	742	860	20.44	852
	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	203	202	4.99	208
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	64	65	1.39	58
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	479	799	17.85	744
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	409	556	12.78	532
	Kawai(Adani) (2*660)	1320	923	1002	23.41	975
	Thermal (Total)	**8876**	**4227**	**4568**	**114**	**4741**
	Total Hydro	550	0	22	0.25	10
	Wind power	3214	766	1138	21.44	893
	Biomass	99	27	27	0.64	27
	Solar	730	0	0	2.91	121
	Renewable/Others (Total)	4043	793	1165	24.99	1041
	Total Rajasthan	**13469**	**5020**	**5755**	**139.01**	**5792**
UP	Anpara TPS (3*210+2*500)	1630	1229	1200	29.46	1227
	Obra TPS (2*50+2*94+5*200)	1194	432	303	9.48	395
	Paricha TPS (2*110+2*220+2*250)	1160	1007	913	23.41	976
	Panki TPS (2*105)	210	0	68	0.50	21
	Harduaganj TPS (1*60+1*105+2*250)	665	549	506	12.82	534
	Tanda TPS (NTPC) (4*110)	440	390	384	9.38	391
	Roza TPS (IPP) (4*300)	1200	1063	1089	25.22	1051
	Anpara-C (IPP) (2*600)	1200	1080	1080	25.87	1078
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	382	405	8.60	358
	Anpara-D(2*500)	1000	367	323	9.75	406
	Lalitpur TPS(3*660)	1980	502	504	10.62	443
	Bara(2*660)	1320	450	506	8.53	356
	Thermal (Total)	**12449**	**7451**	**7281**	**174**	**7235**
	Vishnuparyag HPS (IPP)(4*110)	440	136	88	2.76	115
	Alaknanada(4*82.5)	330	85	85	1.47	61
	Other Hydro	527	47	20	0.48	20
	Cogeneration	981	300	300	7.20	300
	Total UP	**14727**	**8019**	**7774**	**186**	**7731**
Uttarakhand	Total Hydro	1398	438	388	9.55	398
	Total Uttarakhand	**1398**	**438**	**388**	**9.55**	**398**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.03	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	32	32	0.78	32
	Pragati Gas Turbine (2x104+ 1x122)	330	300	265	6.69	279
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	0	0	-0.08	-3
	Badarpur TPS (NTPC) (3*95+2*210)	705	329	330	3.99	166
	Thermal (Total)	2917	661	627	11.34	473
	Total Delhi	**2917**	**661**	**627**	**11.34**	**473**
HP	Baspa HPS (IPP) (3*100)	300	0	93	1.50	63
	Malana HPS (IPP) (2*43)	86	0	0	0.46	19
	Other Hydro	878	303	288	7.13	297
	Total HP	**1264**	**303**	**381**	**9.09**	**379**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	440	440	10.56	440
	Other Hydro/IPP	560	117	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**557**	**522**	**12.81**	534
Total State Control Area Generation		**47841**	**19902**	**20174**	**466.95**	**19456**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6888.68**	**7873.88**	**170.81**	**7117**
Total Regional Availability(Gross)		**73078**	**44640**	**38538**	**977.99**	**40750**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8971**	**2260**	**149.90**	**6246**
State Control Area Hydro	**6881**	**1906**	**1962**	**44**	**1823**
Total Regional Hydro	**19115**	**10877**	**4222**	**193.64**	**8068**

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	6.03	0.00	6.03
765 KV Gwalior-Agra (D/C)	2260	3081	3123	0	59.60	0.00	59.60
400 KV Zerda-Kankroli	-224	-237	0	424	0.00	7.22	-7.22
400 KV Zerda-Bhinmal	-175	-213	0	396	0.00	5.95	-5.95
220 KV Auraiya-Malanpur	-40	-66	0	81	0.00	1.24	-1.24
220 KV Badod-Kota/Morak	-75	-6	3	114	0.00	1.30	-1.30
Mundra-Mohindergarh(HVDC Bipole)	2502	2498	2507	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)	834	1070	1137	0	20.47	0.00	20.47
Sub Total WR	**5332**	**6377**			**146.55**	**15.71**	**130.84**

Pusauli Bypass/HVDC	300	300	300	0	7.14	0.00	7.14
400 KV MZP- GKP (D/C)	64	112	192	80	0.00	2.33	-2.33
400 KV Patna-Balia(D/C) X 2	180	307	339	0	6.56	0.00	6.56
400 KV B'Sharif-Balia (D/C)	61	175	193	0	3.13	0.00	3.13
765 KV Gaya-Balia	215	339	365	0	3.43	0.00	3.43
765 KV Gaya-Varanasi -1	134	55	211	0	9.88	0.00	9.88
220 KV Pusauli-Sahupuri	199	221	227	0	4.35	0.00	4.35
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-18	-24	0	28	0.00	0.51	-0.51
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-230	-214	0	302	0.00	4.04	-4.04
400 KV Barh -GKP (D/C)	348	388	416	0	8.23	0.00	8.23
400 kvB'Sharif - Varanasi (D/C)	-196	-162	0	241	0.00	2.69	-2.69
Sub Total ER	**1057**	**1497**			**43.67**	**9.58**	**34.10**
+/- 800 KV BiswanathCharialli-Agra	500	0	500	0	5.87	0.00	5.87
Sub Total NER	**500**	**0**			**5.87**	**0.00**	**5.87**
Total IR Exch	**6889**	**7874**			**196.10**	**25.29**	**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
37.98	0.30	38.29	3.35	0.50	0.00	22.77	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
41.64	134.87	176.50	39.97	130.84	170.81	-1.67	-4.03	-5.70

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	-31	0	34	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	1.06	17.78	60.19	66.59	11.30	4.36	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	18.02	49.77	0.38	49.98	0.063	0.075	0.00	0.00	33.41

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	478.71	434.29	482.02	503.43	214.75	332.30
Pong	426.72	384.05	395.67	136.17	404.04	320.26	48.11	131.25
Tehri	829.79	740.04	746.15	29.77	767.20	183.00	80.47	156.00
Koteshwar	612.50	598.50	611.22	5.20	610.89	4.95	156.00	147.30
Chamera-I	760.00	748.75	756.02	0.00	0.00	0.00	142.00	129.68
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	496.02	1.97	516.60	1.72	105.04	143.69

*** 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	-1008	0	-389	221	0	-1.18	0.42	-0.76
Delhi	-121	-146	0	-56	-48	0	-2.20	-1.35	-3.55
Haryana	568	297	0	418	284	0	7.02	0.43	7.45
HP	-227	47	0	-75	-462	0	-3.02	-1.02	-4.03
J&K	-79	73	0	-119	196	0	-1.52	2.63	1.11
CHD	0	0	0	0	0	0	0.00	0.21	0.21
Rajasthan	-60	204	0	-55	407	0	-1.40	8.63	7.24
UP	207	1461	0	238	0	0	4.93	7.37	12.30
Uttarakhand	97	526	0	97	648	0	5.77	10.19	15.96
Total	**405**	**1454**	**0**	**58**	**1247**	**0**	**8.41**	**27.52**	**35.93**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-389	320	-1009	0	0
Delhi	-41	-121	155	-312	0	0
Haryana	568	14	300	-536	0	0
HP	-75	-227	171	-655	0	0
J&K	20	-119	196	-1	0	0
CHD	0	0	30	-15	0	0
Rajasthan	-55	-60	412	16	0	0
UP	238	161	1461	0	0	0
Uttarakhand	418	97	648	191	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	**2.43%**

(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 16.04.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
125 MVAR damaged Bus Reactor has been replaced with new 80 MVAR Bus Reactor as a temporary arrangement at 2011 hrs on 15.04.16 at 765kV Lucknow

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 : 16.04.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**