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 18.04.2016
Date of Reporting : 19.04.2016

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
41897	1987	43884	50.01	39591	694	40285	49.90	937.2	34.05

* 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	48.16	8.87		57.03	57.25	56.27	-0.98	113.31	0.00
Haryana	38.37	0.43		38.80	89.61	87.81	-1.80	126.61	0.00
Rajasthan	117.63	0.13	12.38	130.15	55.52	57.90	2.38	188.04	0.00
Delhi	15.27			15.27	79.79	79.91	0.13	95.19	0.24
UP	179.43	6.40		185.83	120.57	119.51	-1.06	305.34	23.78
Uttarakhand		10.32		10.32	26.20	26.42	0.23	36.74	0.00
HP		12.08		12.08	11.67	12.35	0.68	24.43	0.00
J & K		17.46	0.00	17.46	23.76	25.04	1.29	42.50	10.04
Chandigarh				0.00	5.14	5.09	0.27	5.09	0.00
Total	**398.87**	**55.68**	**12.38**	**466.93**	**469.50**	**470.30**	**1.13**	**937.24**	**34.05**

* 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	5386	0	-1	-152	4863	0	58	41	5781
Haryana	7005	0	115	649	5687	0	-33	732	7005
Rajasthan	7895	0	-204	319	7698	0	33	304	8662
Delhi	4169	6	-116	-17	3840	0	141	-170	4656
UP	12620	1445	-132	254	13723	430	66	1076	14099
Uttarakhand	1522	0	-176	721	1430	0	45	525	1632
HP	928	0	-137	-609	683	0	-23	-219	4056
J&K	2142	536	230	78	1498	264	-13	-46	2155
Chandigarh	230	0	-20	0	169	0	10	0	263
Total	**41897**	**1987**	**-440**	**1243**	**39591**	**694**	**284**	**2245**	**43023**

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

Diversity is 1.12

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	945	1035	21.63	901	20.73	0.90
	Rihand I STPS (2*500)	1000	735	688	800	15.45	644	14.75	0.70
	Rihand II STPS (2*500)	1000	934	873	982	19.27	803	19.23	0.04
	Rihand III STPS (2*500)	1000	945	879	998	19.77	824	20.08	-0.31
	Dadri I STPS (4*210)	840	815	552	557	14.01	584	14.56	-0.56
	Dadri II STPS (2*490)	980	485	385	383	9.22	384	9.85	-0.63
	Unchahar I TPS (2*210)	420	340	304	323	6.68	278	6.67	0.02
	Unchahar II TPS (2*210)	420	200	159	187	3.76	156	3.58	0.17
	Unchahar III TPS (1*210)	210	200	152	205	3.54	148	3.59	-0.05
	ISTPP (Jhajjhar) (3*500)	1500	950	936	664	16.09	670	16.41	-0.32
	Dadri GPS (4*130.19+2*154.51)	830	781	358	297	7.95	331	8.08	-0.13
	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	301	243	6.56	273	6.69	-0.13
	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	2	0	0	0.07	3	0.05	0.01
	KHEP(4*200)	800	872	871	0	6.15	256	6.13	0.02
	Sub Total (A)	**12112**	**9062**	**7403**	**6674**	**150**	**6258**	**150**	**0**
B. NPC	NAPS (2*220)	440	395	424	438	9.44	393	9.48	-0.04
	RAPS- B (2*220)	440	372	416	418	8.97	374	8.93	0.04
	RAPS- C (2*220)	440	415	444	446	9.53	397	9.96	-0.43
	Sub Total (B)	**1320**	**1182**	**1284**	**1302**	**27.94**	**1164**	**28.37**	**-0.43**
C. NHPC	Chamera I HPS (3*180)	540	535	407	0	6.29	262	5.97	0.32
	Chamera II HPS (3*100)	300	300	304	0	4.86	203	4.64	0.22
	Chamera III HPS (3*77)	231	231	232	0	3.16	132	3.07	0.09
	Bairasuil HPS(3*60)	180	179	183	61	3.27	136	3.18	0.09
	Salal-HPS (6*115)	690	513	666	480	13.05	544	12.17	0.87
	Tanakpur-HPS (3*31.4)	94	26	30	36	0.70	29	0.62	0.07
	Uri-I HPS (4*120)	480	463	470	472	11.17	466	11.11	0.07
	Uri-II HPS (4*60)	240	237	237	237	5.67	236	5.69	-0.02
	Dhauliganga-HPS (4*70)	280	280	67	0	2.26	94	2.10	0.16
	Dulhasti-HPS (3*130)	390	387	400	282	8.27	345	7.98	0.29
	Sewa-II HPS (3*40)	120	119	121	41	2.43	101	2.40	0.03
	Parbati 3 (4*130)	520	230	261	0	2.08	87	2.04	0.04
	Sub Total (C)	**4065**	**3501**	**3378**	**1609**	**63**	**2634**	**61**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1249	0	14.38	599	14.33	0.05
	Rampur HEP (6*68.67)	412	375	377	0	4.07	170	3.91	0.16
	Sub Total (D)	**1912**	**1980**	**1626**	**0**	**18.45**	**769**	**18.24**	**0.21**
E. THDC	Tehri HPS (4*250)	1000	392	395	0	3.94	164	4.13	-0.19
	Koteshwar HPS (4*100)	400	92	101	91	2.23	93	2.20	0.03
	Sub Total (E)	**1400**	**484**	**496**	**91**	**6.17**	**257**	**6.33**	**-0.16**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	562	1125	379	13.57	566	13.49	0.09
	Dehar HPS (6*165)	990	467	660	165	11.09	462	11.21	-0.12
	Pong HPS (6*66)	396	177	159	216	4.17	174	4.24	-0.07
	Sub Total (F)	**2765**	**1206**	**1944**	**760**	**28.83**	**1201**	**28.93**	**-0.10**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	50	83	1.54	64	1.31	0.23
	KARCHAM WANGTOO HPS(IPP) (	1000	0	680	290	7.67	320	7.92	-0.25
	Malana Stg-II HPS (2*50)	100	0	0	0	0.82	34	0.72	0.10
	Shree Cement TPS (2*150)	300	0	289	294	6.91	288	6.97	-0.06
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.45	19	0.42	0.03
	Sub Total (G)	1662	0	1057	667	17.39	725	17.34	0.06
H. Total Regional Entities (A-G)		**25237**	**17414**	**17187**	**11103**	**312.18**	**13007**	**310.65**	**1.52**

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	3.67	153
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.04	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.15	-6
	Goindwal(GVK) (2*270)	540	180	180	4.38	183
	Rajpura (2*700)	1400	1060	1320	23.15	965
	Talwandi Saboo (3*660)	1980	716	716	17.15	715
	Thermal (Total)	**6560**	**2116**	**2376**	**48.16**	**2007**
	Total Hydro	1000	305	452	8.87	370
	Total Punjab	**7560**	**2421**	**2828**	**57.03**	**2376**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	439	212	6.88	287
	DCRTPP (Yamuna nagar) (2*300)	600	528	459	11.21	467
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	0	158	0.94	39
	RGTPP (khedar) (IPP) (2*600)	1200	813	755	19.35	806
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**1780**	**1584**	**38.37**	**1599**
	Total Hydro	62	9	18	0.43	18
	Total Haryana	**5006**	**1789**	**1602**	**38.80**	**1617**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1029	1029	26.44	1102
	suratgarh TPS (6*250)	1500	784	745	18.41	767
	Chabra TPS (4*250)	1000	779	895	20.40	850
	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	196	198	5.03	210
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	92	91	1.94	81
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	593	795	17.21	717
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	412	525	12.30	512
	Kawai(Adani) (2*660)	1320	811	586	15.92	663
	Thermal (Total)	**8876**	**4696**	**4864**	**118**	**4901**
	Total Hydro	550	16	0	0.13	6
	Wind power	3214	632	576	9.27	386
	Biomass	99	30	30	0.73	30
	Solar	730	0	0	2.38	99
	Renewable/Others (Total)	4043	662	606	12.38	516
	Total Rajasthan	**13469**	**5374**	**5470**	**130.15**	**5423**
UP	Anpara TPS (3*210+2*500)	1630	1227	1230	29.00	1208
	Obra TPS (2*50+2*94+5*200)	1194	303	284	6.70	279
	Paricha TPS (2*110+2*220+2*250)	1160	992	1000	23.70	988
	Panki TPS (2*105)	210	72	72	1.60	67
	Harduaganj TPS (1*60+1*105+2*250)	665	537	543	13.00	542
	Tanda TPS (NTPC) (4*110)	440	390	390	9.33	389
	Roza TPS (IPP) (4*300)	1200	900	1103	24.10	1004
	Anpara-C (IPP) (2*600)	1200	1077	1080	25.70	1071
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	401	405	8.40	350
	Anpara-D(2*500)	1000	241	512	11.00	458
	Lalitpur TPS(3*660)	1980	502	505	9.40	392
	Bara(2*660)	1320	0	493	10.30	429
	Thermal (Total)	**12449**	**6642**	**7617**	**172**	**7176**
	Vishnuparyag HPS (IPP)(4*110)	440	117	132	2.80	117
	Alaknanada(4*82.5)	330	151	84	1.70	71
	Other Hydro	527	48	139	1.90	79
	Cogeneration	981	300	300	7.20	300
	Total UP	**14727**	**7258**	**8272**	**186**	**7743**
Uttarakhand	Total Hydro	1398	478	416	10.32	430
	Total Uttarakhand	**1398**	**478**	**416**	**10.32**	**430**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	37	31	0.79	33
	Pragati Gas Turbine (2x104+ 1x122)	330	268	272	6.59	275
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	28	0	1.00	42
	Badarpur TPS (NTPC) (3*95+2*210)	705	320	328	6.89	287
	Thermal (Total)	2917	653	631	15.27	636
	Total Delhi	**2917**	**653**	**631**	**15.27**	**636**
HP	Baspa HPS (IPP) (3*100)	300	69	197	2.28	95
	Malana HPS (IPP) (2*43)	86	0	22	0.69	29
	Other Hydro	878	410	326	9.11	380
	Total HP	**1264**	**479**	**545**	**12.08**	**503**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	592	590	15.20	633
	Other Hydro/IPP	560	118	82	2.25	94
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**710**	**672**	**17.46**	727
Total State Control Area Generation		**47841**	**19162**	**20436**	**466.93**	**19456**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6687**	**8789**	**172.69**	**7195**
Total Regional Availability(Gross)		**73078**	**43036**	**40327**	**951.80**	**39658**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9044**	**2833**	**132.83**	**5535**
State Control Area Hydro	**6881**	**2313**	**2458**	**56**	**2320**
Total Regional Hydro	**19115**	**11357**	**5291**	**188.51**	**7855**

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	50	50	0	1.20	0.00	1.20
765 KV Gwalior-Agra (D/C)	2337	3029	3167	0	54.90	0.00	54.90
400 KV Zerda-Kankroli	-265	-231	0	427	0.00	7.95	-7.95
400 KV Zerda-Bhinmal	-211	-184	0	344	0.00	6.05	-6.05
220 KV Auraiya-Malanpur	-71	-20	0	81	0.00	1.26	-1.26
220 KV Badod-Kota/Morak	-96	-2	0	132	0.00	1.39	-1.39
Mundra-Mohindergarh(HVDC Bipole)	2503	2503	2517	0	60.02	0.00	60.02
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	758	1254	1254	0	24.10	0.00	24.10
Sub Total WR	**5005**	**6399**			**140.22**	**16.65**	**123.57**

Pusauli Bypass/HVDC	50	300	300	0	5.20	0.00	5.20
400 KV MZP- GKP (D/C)	20	212	242	58	3.40	0.00	3.40
400 KV Patna-Balia(D/C) X 2	430	566	579	0	10.98	0.00	10.98
400 KV B'Sharif-Balia (D/C)	60	105	193	0	2.57	0.00	2.57
765 KV Gaya-Balia	226	209	300	0	2.74	0.00	2.74
765 KV Gaya-Varanasi -1	-118	-123	177	0	6.25	0.00	6.25
220 KV Pusauli-Sahupuri	151	170	207	0	4.00	0.00	4.00
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-24	-24	0	30	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-105	-104	3	247	0.00	2.71	-2.71
400 KV Barh -GKP (D/C)	464	536	540	0	10.81	0.00	10.81
400 kvB'Sharif - Varanasi (D/C)	43	58	0	108	0.00	6.37	-6.37
Sub Total ER	**1197**	**1905**			**46.92**	**9.63**	**37.29**
+/- 800 KV BiswanathCharialli-Agra	485	485	485	0	11.83	0.00	11.83
Sub Total NER	**485**	**485**			**11.83**	**0.00**	**11.83**
Total IR Exch	**6687**	**8789**			**198.96**	**26.28**	**172.69**

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
35.19	0.48	35.66	3.67	2.90	0.00	23.28	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
39.33	139.18	178.52	49.12	123.57	172.69	9.78	-15.61	-5.83

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	32	0	1	-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	0.00	3.11	35.51	68.08	22.37	6.52	0.03	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)	
50.21	7.01	49.82	23.05	50.02	0.037	0.058	50.21	0.00	31.92

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	09:22	400	23:53	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	419	11:20	396	23:18	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	14:34	391	22:41	0.0	0.0	0.0	0.0	0.0
Kanpur	400	420	09:05	396	22:22	0.0	0.0	0.0	0.0	0.0
Dadri	400	423	09:03	400	22:23	0.0	0.0	8.8	0.0	8.8
Ballabhgarh	400	428	08:04	402	22:22	0.0	0.0	53.0	0.0	53.0
Bawana	400	426	09:02	400	22:20	0.0	0.0	29.2	0.0	29.2
Bassi	400	424	17:59	396	22:22	0.0	0.0	5.0	0.0	5.0
Hissar	400	424	09:02	396	22:39	0.0	0.0	9.2	0.0	9.2
Moga	400	419	09:02	395	22:08	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	429	09:04	397	19:14	0.0	0.0	41.6	0.0	41.6
Nalagarh	400	432	13:01	407	19:16	0.0	0.0	60.1	5.4	60.1
Kishenpur	400	419	10:46	395	20:42	0.0	0.0	0.0	0.0	0.0
Wagoora	400	404	04:10	373	20:42	15.7	23.1	0.0	0.0	15.7
Amritsar	400	426	13:01	403	19:20	0.0	0.0	40.5	0.0	40.5
Kashipur	400	420	17:33	407	22:39	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	425	13:03	401	00:00	0.0	0.0	33.0	0.0	33.0
Rishikesh	400	420	14:34	379	22:23	0.1	21.1	0.0	0.0	0.1

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	777	09:05	732	23:21	0.0	12.7	0.0	0.0	0.0
Balia	765	780	10:02	740	22:39	0.0	2.0	0.0	0.0	0.0
Moga	765	806	09:02	754	22:21	0.0	0.0	4.7	0.0	4.7
Agra	765	794	09:04	745	22:24	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	809	09:03	766	00:00	0.0	0.0	19.1	0.0	19.1
Unnao	765	775	09:05	734	22:39	0.0	13.1	0.0	0.0	0.0
Lucknow	765	787	09:05	743	22:38	0.0	0.0	0.0	0.0	0.0
Meerut	765	816	09:18	759	23:19	0.0	0.0	26.9	0.0	26.9
Jhatikara	765	806	09:03	756	22:41	0.0	0.0	7.7	0.0	7.7
Bareilly 765 kV	765	0	00:00	0	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	782	17:31	760	22:22	0.0	0.0	0.0	0.0	0.0
Phagi	765	796	18:00	752	22:28	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	478.27	420.92	482.36	519.70	277.99	466.01
Pong	426.72	384.05	395.30	131.24	404.26	320.26	57.43	328.56
Tehri	829.79	740.04	745.30	23.98	766.40	171.98	73.75	146.00
Koteshwar	612.50	598.50	611.11	5.10	610.89	4.95	146.00	146.80
Chamera-I	760.00	748.75	756.77	0.00	0.00	0.00	196.15	173.28
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	496.35	1.20	517.10	2.82	103.00	78.30

*** 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	36	0	-390	238	0	-1.26	5.09	3.83
Delhi	-81	-89	0	-81	64	0	-1.72	1.74	0.02
Haryana	520	213	0	369	280	0	7.70	2.27	9.96
HP	-177	-42	0	-25	-584	0	-1.82	-3.68	-5.50
J&K	-119	73	0	-119	196	0	-3.07	1.45	-1.62
CHD	0	0	0	0	0	0	0.00	0.48	0.48
Rajasthan	-60	364	0	-56	375	0	-1.40	9.12	7.72
UP	246	830	0	254	0	0	5.49	6.93	12.41
Uttarakhand	194	265	66	223	431	66	7.31	7.10	14.41
Total	**529**	**1649**	**66**	**176**	**1000**	**66**	**11.23**	**30.49**	**41.72**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	19	-390	318	-111	0	0
Delhi	18	-81	366	-216	0	0
Haryana	520	167	284	-156	0	0
HP	-25	-177	36	-827	0	0
J&K	-119	-220	196	-114	0	0
CHD	0	0	50	-15	0	0
Rajasthan	-56	-60	395	313	0	0
UP	311	151	978	0	0	0
Uttarakhand	417	194	431	44	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	**0.00%**

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

WR	**0.00%**
ER	**0.00%**
Simultaneous	**20.83%**

(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 18.04.2016 :
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

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 : 18.04.2016 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**