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 15.05.2016
Date of Reporting : 16.05.2016

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
42507	655	43163	50.08	45770	871	46641	50.03	1045.0	17.32

* 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	59.83	8.24		68.07	89.15	89.69	0.54	157.76	0.00
Haryana	49.47	0.56		50.03	91.59	90.86	-0.73	140.89	0.41
Rajasthan	135.91	0.30	9.63	145.84	56.83	58.07	1.23	203.90	0.00
Delhi	18.15			18.15	86.82	86.76	-0.06	104.91	0.03
UP	159.41	16.59		176.00	145.78	148.01	2.23	324.01	5.28
Uttarakhand		16.41		16.41	22.45	22.13	-0.32	38.54	0.14
HP		17.49		17.49	6.25	7.05	0.81	24.54	0.13
J & K		24.88	0.00	24.88	15.79	20.49	4.70	45.36	11.34
Chandigarh				0.00	5.08	5.09	0.27	5.09	0.00
Total	**422.78**	**84.46**	**9.63**	**516.86**	**519.72**	**528.15**	**8.69**	**1045.01**	**17.32**

* 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	5913	0	110	304	6433	0	-47	601	6981
Haryana	6273	8	-298	318	6733	0	-67	452	7110
Rajasthan	7824	0	104	65	8987	0	116	63	9434
Delhi	4149	0	-282	450	4744	0	197	606	5258
UP	13218	10	236	1090	14586	480	248	1660	14659
Uttarakhand	1733	75	20	276	1566	0	42	291	1735
HP	948	7	0	-1281	952	0	15	-1046	1180
J&K	2222	556	377	-496	1562	391	55	-623	2244
Chandigarh	227	0	-2	0	207	0	7	0	248
Total	**42507**	**655**	**266**	**724**	**45770**	**871**	**566**	**2003**	**47275**

* 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	1400	1459	1539	33.90	1412	33.24	0.65
	Rihand I STPS (2*500)	1000	780	867	829	17.85	744	17.59	0.26
	Rihand II STPS (2*500)	1000	953	1033	1040	21.78	907	21.97	-0.19
	Rihand III STPS (2*500)	1000	954	1006	1017	21.87	911	22.22	-0.35
	Dadri I STPS (4*210)	840	805	414	430	10.37	432	10.80	-0.43
	Dadri II STPS (2*490)	980	970	674	670	16.41	684	17.27	-0.86
	Unchahar I TPS (2*210)	420	350	265	366	7.21	301	7.39	-0.18
	Unchahar II TPS (2*210)	420	397	311	377	7.45	311	7.64	-0.18
	Unchahar III TPS (1*210)	210	200	145	172	3.52	147	3.75	-0.23
	ISTPP (Jhajjhar) (3*500)	1500	1425	1141	1135	22.88	953	23.10	-0.23
	Dadri GPS (4*130.19+2*154.51)	830	778	164	159	3.79	158	4.09	-0.30
	Anta GPS (3*88.71+1*153.2)	419	392	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	621	0	155	2.51	105	2.62	-0.11
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.05	0.00
	Singrauli Solar(15)	15	3	0	0	0.06	3	0.06	0.00
	KHEP(4*200)	800	872	867	0	12.25	510	12.00	0.25
	Sub Total (A)	**12112**	**10901**	**8346**	**7889**	**182**	**7579**	**184**	**-2**
B. NPC	NAPS (2*220)	440	365	195	195	8.65	360	8.76	-0.11
	RAPS- B (2*220)	440	366	416	408	8.84	368	8.78	0.05
	RAPS- C (2*220)	440	410	435	440	9.37	390	9.84	-0.47
	Sub Total (B)	**1320**	**1141**	**1046**	**1043**	**26.85**	**1119**	**27.38**	**-0.53**
C. NHPC	Chamera I HPS (3*180)	540	538	543	181	8.08	337	8.00	0.08
	Chamera II HPS (3*100)	300	300	302	305	6.62	276	6.56	0.06
	Chamera III HPS (3*77)	231	229	229	141	4.22	176	4.18	0.04
	Bairasuil HPS(3*60)	180	179	122	63	2.35	98	2.26	0.09
	Salal-HPS (6*115)	690	636	654	648	15.65	652	15.28	0.37
	Tanakpur-HPS (3*31.4)	94	35	61	33	1.02	43	0.82	0.20
	Uri-I HPS (4*120)	480	475	477	475	11.55	481	11.40	0.16
	Uri-II HPS (4*60)	240	237	240	240	5.73	239	5.69	0.04
	Dhauliganga-HPS (4*70)	280	280	288	143	3.58	149	3.42	0.16
	Dulhasti-HPS (3*130)	390	387	403	405	9.57	399	9.29	0.28
	Sewa-II HPS (3*40)	120	119	129	0	1.56	65	1.50	0.06
	Parbati 3 (4*130)	520	260	135	131	2.43	101	2.41	0.02
	Sub Total (C)	**4065**	**3676**	**3585**	**2764**	**72**	**3016**	**71**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1592	1403	35.47	1478	35.68	-0.22
	Rampur HEP (6*68.67)	412	442	447	390	10.01	417	9.91	0.10
	Sub Total (D)	**1912**	**2047**	**2039**	**1793**	**45.47**	**1895**	**45.59**	**-0.11**
E. THDC	Tehri HPS (4*250)	1000	256	262	260	4.08	170	4.00	0.08
	Koteshwar HPS (4*100)	400	82	191	67	2.00	83	1.97	0.03
	Sub Total (E)	**1400**	**338**	**453**	**327**	**6.08**	**253**	**5.97**	**0.11**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	635	1060	448	15.37	640	15.25	0.12
	Dehar HPS (6*165)	990	564	660	465	13.66	569	13.54	0.12
	Pong HPS (6*66)	396	49	0	50	1.14	48	1.18	-0.03
	Sub Total (F)	**2765**	**1248**	**1720**	**963**	**30.17**	**1257**	**29.96**	**0.21**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	84	116	2.63	110	2.54	0.09
	KARCHAM WANGTOO HPS(IPP) (	1000	0	1100	900	19.81	826	21.01	-1.19
	Malana Stg-II HPS (2*50)	100	0	110	46	1.09	45	1.00	0.09
	Shree Cement TPS (2*150)	300	0	203	290	4.89	204	4.79	0.09
	Budhil HPS(IPP) (2*35)	70	0	39	39	0.92	39	0.94	-0.02
	Sub Total (G)	1662	0	1536	1390	29.34	1222	30.28	-0.94
H. Total Regional Entities (A-G)		**25237**	**19352**	**18725**	**16170**	**392.19**	**16341**	**393.79**	**-1.60**

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	690	690	16.17	674
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	118	2.29	95
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	546	947	17.31	721
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2
	Rajpura (2*700)	1400	690	660	18.40	767
	Talwandi Saboo (3*660)	1980	308	0	5.71	238
	Thermal (Total)	**6560**	**2334**	**2415**	**59.83**	**2493**
	Total Hydro	1000	165	458	8.24	343
	Total Punjab	**7560**	**2499**	**2873**	**68.07**	**2836**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	181	401	4.66	194
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	161	177	4.05	169
	RGTPP (khedar) (IPP) (2*600)	1200	741	955	19.34	806
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	799	1108	21.42	893
	Thermal (Total)	**4944**	**1882**	**2641**	**49.47**	**2061**
	Total Hydro	62	19	25	0.56	23
	Total Haryana	**5006**	**1901**	**2666**	**50.03**	**2085**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	750	780	18.36	765
	suratgarh TPS (6*250)	1500	958	1141	24.02	1001
	Chabra TPS (4*250)	1000	604	818	17.40	725
	Dholpur GPS (3*110)	330	105	95	2.64	110
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	176	190	5.53	230
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	81	81	1.85	77
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	455	718	15.72	655
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	820	1002	22.86	953
	Kawai(Adani) (2*660)	1320	1014	1189	27.53	1147
	Thermal (Total)	**8876**	**4963**	**6014**	**136**	**5663**
	Total Hydro	550	0	0	0.30	12
	Wind power	3214	192	461	9.04	377
	Biomass	99	20	20	0.49	20
	Solar	730	0	0	0.10	4
	Renewable/Others (Total)	4043	212	481	9.63	401
	Total Rajasthan	**13469**	**5175**	**6495**	**145.84**	**6077**
UP	Anpara TPS (3*210+2*500)	1630	1399	1403	33.62	1401
	Obra TPS (2*50+2*94+5*200)	1194	410	430	10.00	417
	Paricha TPS (2*110+2*220+2*250)	1160	666	827	17.14	714
	Panki TPS (2*105)	210	131	131	2.89	121
	Harduaganj TPS (1*60+1*105+2*250)	665	552	547	12.68	528
	Tanda TPS (NTPC) (4*110)	440	299	385	9.10	379
	Roza TPS (IPP) (4*300)	1200	756	1089	24.74	1031
	Anpara-C (IPP) (2*600)	1200	1056	1076	24.08	1004
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	405	8.73	364
	Anpara-D(2*500)	1000	346	232	5.11	213
	Lalitpur TPS(3*660)	1980	356	408	8.93	372
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**12449**	**6254**	**6933**	**157**	**6542**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	10.14	422
	Alaknanada(4*82.5)	330	167	166	3.58	149
	Other Hydro	527	66	232	2.87	120
	Cogeneration	981	100	100	2.40	100
	Total UP	**14727**	**7022**	**7866**	**176**	**7333**
Uttarakhand	Total Hydro	1398	698	582	16.41	684
	Total Uttarakhand	**1398**	**698**	**582**	**16.41**	**684**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	62	1.05	44
	Pragati Gas Turbine (2x104+ 1x122)	330	265	277	6.43	268
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	252	6.08	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	170	4.60	192
	Thermal (Total)	2917	718	761	18.15	756
	Total Delhi	**2917**	**718**	**761**	**18.15**	**756**
HP	Baspa HPS (IPP) (3*100)	300	302	332	7.49	312
	Malana HPS (IPP) (2*43)	86	83	38	0.91	38
	Other Hydro	878	370	407	9.09	379
	Total HP	**1264**	**755**	**777**	**17.49**	**729**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	885	881	21.22	884
	Other Hydro/IPP	560	159	142	3.66	153
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**1044**	**1023**	**24.88**	1037
Total State Control Area Generation		**47841**	**19812**	**23043**	**516.86**	**21536**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5943**	**6822**	**151.00**	**6292**
Total Regional Availability(Gross)		**73078**	**44480**	**46035**	**1060.05**	**44169**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9958**	**6909**	**189.87**	**7911**
State Control Area Hydro	**6881**	**3349**	**3698**	**84**	**3519**
Total Regional Hydro	**19115**	**13307**	**10607**	**274.33**	**11430**

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)	-200	250	250	200	3.60	1.19	2.41
765 KV Gwalior-Agra (D/C)	2133	2766	2917	0	52.54	0.00	52.54
400 KV Zerda-Kankroli	-203	-124	0	309	0.00	5.30	-5.30
400 KV Zerda-Bhinmal	-125	-48	0	231	0.00	3.30	-3.30
220 KV Auraiya-Malanpur	-34	-36	0	73	0.00	1.26	-1.26
220 KV Badod-Kota/Morak	27	86	101	28	0.85	0.00	0.85
Mundra-Mohindergarh(HVDC Bipole)	2503	1503	2508	0	49.52	0.00	49.52
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	486	647	759	0	11.95	0.00	11.95
Sub Total WR	**4587**	**5044**			**118.46**	**11.05**	**107.41**

Pusauli Bypass/HVDC	200	200	200	0	4.84	0.00	4.84
400 KV MZP- GKP (D/C)	32	308	340	60	4.23	0.00	4.23
400 KV Patna-Balia(D/C) X 2	251	332	627	0	11.45	0.00	11.45
400 KV B'Sharif-Balia (D/C)	21	97	132	0	1.65	0.00	1.65
765 KV Gaya-Balia	121	163	180	0	1.37	0.00	1.37
765 KV Gaya-Varanasi (D/C)	-19	-63	0	0	1.41	0.00	1.41
220 KV Pusauli-Sahupuri	184	0	214	0	1.15	0.00	1.15
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-20	-36	0	36	0.00	0.64	-0.64
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-180	-102	3	276	0.00	2.11	-2.11
400 KV Barh -GKP (D/C)	388	500	538	0	9.68	0.00	9.68
400 kV B'Sharif - Varanasi (D/C)	-122	-121	29	175	0.00	0.73	-0.73
Sub Total ER	**856**	**1278**			**35.78**	**3.48**	**32.30**
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	11.29	0.00	11.29
Sub Total NER	**500**	**500**			**11.29**	**0.00**	**11.29**
Total IR Exch	**5943**	**6822**			**165.53**	**14.53**	**151.00**

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
30.54	0.71	31.25	0.51	8.54	1.50	-1.77	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
33.26	116.31	149.57	43.59	107.41	151.00	10.33	-8.90	1.44

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	-29	0	32	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	0.90	7.19	47.87	75.16	15.36	2.64	0.08	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	6.03	49.71	22.11	50.00	0.039	0.062	50.20	49.91	24.84

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	410	8:16	400	0:19	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	420	7:07	402	0:09	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Kanpur	400	416	18:02	395	0:42	0.0	0.0	0.0	0.0	0.0
Dadri	400	415	18:06	396	0:01	0.7	0.7	0.0	0.0	0.7
Ballabhgarh	400	422	18:06	399	0:03	0.0	0.0	2.0	0.0	2.0
Bawana	400	415	18:03	397	0:05	0.0	0.0	0.0	0.0	0.0
Bassi	400	424	18:04	395	0:07	0.0	0.0	3.5	0.0	3.5
Hissar	400	412	18:00	394	0:03	0.0	0.0	0.0	0.0	0.0
Moga	400	407	18:03	395	0:00	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	414	18:01	398	0:06	0.0	0.0	0.0	0.0	0.0
Nalagarh	400	416	18:02	404	0:00	0.0	0.0	0.0	0.0	0.0
Kishenpur	400	407	4:21	396	21:05	0.0	0.0	0.0	0.0	0.0
Wagoora	400	407	4:01	378	21:01	3.7	16.1	0.0	0.0	3.7
Amritsar	400	410	4:39	400	0:05	0.0	0.0	0.0	0.0	0.0
Kashipur	400	418	8:03	406	0:03	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	406	18:10	398	15:29	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	400	7:13	378	0:50	0.3	52.9	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	779	18:05	738	0:10	0.0	4.2	0.0	0.0	0.0
Balia	765	790	8:00	756	0:09	0.0	0.0	0.0	0.0	0.0
Moga	765	779	18:04	750	0:05	0.0	0.0	0.0	0.0	0.0
Agra	765	793	18:04	751	0:44	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	790	17:59	755	0:00	0.0	0.0	0.0	0.0	0.0
Unnao	765	774	18:05	733	23:36	0.0	24.9	0.0	0.0	0.0
Lucknow	765	788	18:05	748	0:10	0.0	0.0	0.0	0.0	0.0
Meerut	765	794	18:12	752	0:07	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	792	18:02	752	0:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	782	18:04	742	0:05	0.0	0.0	0.0	0.0	0.0
Anta	765	779	17:44	757	0:00	0.1	0.1	0.0	0.0	0.1
Phagi	765	791	18:03	749	0:00	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	475.64	361.66	486.43	627.57	684.59	570.02
Pong	426.72	384.05	392.73	88.85	405.39	352.07	48.25	93.47
Tehri	829.79	740.04	741.90	8.90	755.30	86.00	163.46	157.00
Koteshwar	612.50	598.50	605.21	2.46	611.25	5.20	157.00	131.62
Chamera-I	760.00	748.75	752.68	0.00	0.00	0.00	223.63	222.75
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1140.00	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	502.00	1.78	523.49	10.78	307.36	125.79

*** 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	249	351	0	40	264	0	6.66	8.42	15.07
Delhi	382	224	0	402	47	0	9.53	2.21	11.75
Haryana	170	282	0	105	212	0	3.62	1.57	5.19
HP	-663	-383	0	-714	-567	0	-15.84	-10.85	-26.70
J&K	-623	0	0	-496	0	0	-13.16	-0.01	-13.18
CHD	0	0	0	0	0	0	0.35	0.00	0.35
Rajasthan	-389	452	0	-389	454	0	-9.34	10.45	1.10
UP	1660	0	0	1090	0	0	29.18	0.00	29.18
Uttarakhand	106	185	0	106	170	0	2.54	3.57	6.11
Total	**891**	**1112**	**0**	**143**	**581**	**0**	**13.53**	**15.35**	**28.87**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	422	40	381	263	0	0
Delhi	402	382	396	-237	0	0
Haryana	252	105	282	-282	0	0
HP	-510	-847	-291	-603	0	0
J&K	-496	-623	0	-15	0	0
CHD	44	0	0	0	0	0
Rajasthan	-389	-389	458	248	0	0
UP	1709	1062	0	0	0	0
Uttarakhand	106	106	243	107	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	**0.00%**

(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 15.05.2016 :
Normal

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :

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 : 15.05.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER