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 19.05.2016
Date of Reporting : 20.05.2016

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
46420	834	47254	50.08	47491	1044	48535	50.03	1110.1	16.29

* 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	79.28	11.46		90.74	82.18	81.76	-0.41	172.50	0.00
Haryana	47.41	0.71		48.12	110.98	109.13	-1.84	157.25	0.00
Rajasthan	137.33	0.00	22.78	160.11	56.18	58.85	2.67	218.96	0.41
Delhi	20.68			20.68	99.84	101.58	1.74	122.25	0.90
UP	170.35	2.90		173.25	149.84	152.12	2.29	325.37	5.50
Uttarakhand		19.03		19.03	22.64	23.22	0.58	42.25	0.43
HP		17.94		17.94	9.31	8.37	-0.94	26.31	0.00
J & K		23.03	0.00	23.03	15.56	15.45	-0.12	38.48	9.05
Chandigarh				0.00	6.38	6.73	0.27	6.73	0.00
Total	**455.05**	**75.07**	**22.78**	**552.89**	**552.90**	**557.22**	**4.23**	**1110.11**	**16.29**

* 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	6898	0	-294	99	6876	0	23	369	7525
Haryana	7032	30	128	626	6951	0	-61	704	7508
Rajasthan	8391	0	90	-66	9465	0	18	74	10039
Delhi	5039	0	-15	556	5187	0	216	644	5986
UP	14167	340	71	1399	14627	780	229	1507	14769
Uttarakhand	1851	40	82	321	1711	0	47	257	1938
HP	1055	0	-71	-1037	932	0	-2	-1093	1266
J&K	1695	424	-119	-650	1495	264	-26	-662	1875
Chandigarh	293	0	53	0	248	0	36	25	348
Total	**46420**	**834**	**-75**	**1247**	**47491**	**1044**	**480**	**1824**	**49978**

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

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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	1842	1992	2003	44.76	1865	44.11	0.65
	Rihand I STPS (2*500)	1000	399	437	404	9.37	391	9.20	0.18
	Rihand II STPS (2*500)	1000	952	1032	1009	21.93	914	22.06	-0.13
	Rihand III STPS (2*500)	1000	952	1031	894	21.56	898	21.68	-0.13
	Dadri I STPS (4*210)	840	805	545	482	11.88	495	12.42	-0.54
	Dadri II STPS (2*490)	980	937	1005	638	18.81	784	19.31	-0.50
	Unchahar I TPS (2*210)	420	350	363	295	7.15	298	7.66	-0.51
	Unchahar II TPS (2*210)	420	400	439	307	7.93	331	8.77	-0.84
	Unchahar III TPS (1*210)	210	200	221	155	3.78	157	4.08	-0.30
	ISTPP (Jhajjhar) (3*500)	1500	950	908	628	17.61	734	18.05	-0.44
	Dadri GPS (4*130.19+2*154.51)	830	778	158	151	3.67	153	3.68	0.00
	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	620	0	0	0.00	0	0.00	0.00
	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	0.06	3	0.07	0.00
	KHEP(4*200)	800	872	869	865	14.33	597	14.00	0.33
	Sub Total (A)	**12112**	**10454**	**9000**	**7831**	**183**	**7621**	**185**	**-2**
B. NPC	NAPS (2*220)	440	363	195	195	8.71	363	8.71	0.00
	RAPS- B (2*220)	440	45	155	0	1.25	52	1.09	0.16
	RAPS- C (2*220)	440	0	0	0	0.00	0	0.00	0.00
	Sub Total (B)	**1320**	**408**	**350**	**195**	**9.96**	**415**	**9.80**	**0.16**
C. NHPC	Chamera I HPS (3*180)	540	536	545	176	8.72	363	8.58	0.14
	Chamera II HPS (3*100)	300	300	307	305	7.28	303	7.20	0.08
	Chamera III HPS (3*77)	231	206	220	220	5.25	219	4.95	0.31
	Bairasuil HPS(3*60)	180	179	184	61	2.61	109	2.52	0.10
	Salal-HPS (6*115)	690	578	641	654	14.62	609	13.90	0.72
	Tanakpur-HPS (3*31.4)	94	35	49	43	0.96	40	0.85	0.11
	Uri-I HPS (4*120)	480	475	476	477	11.53	481	11.40	0.13
	Uri-II HPS (4*60)	240	237	241	239	5.72	238	5.69	0.03
	Dhauliganga-HPS (4*70)	280	267	278	138	4.16	173	4.69	-0.53
	Dulhasti-HPS (3*130)	390	387	397	407	9.51	396	9.29	0.22
	Sewa-II HPS (3*40)	120	119	129	0	1.10	46	1.00	0.10
	Parbati 3 (4*130)	520	260	262	0	3.65	152	3.58	0.07
	Sub Total (C)	**4065**	**3580**	**3729**	**2721**	**75**	**3129**	**74**	**1**
D.SJVNL	NJPC (6*250)	1500	1605	1629	1624	38.08	1587	38.39	-0.31
	Rampur HEP (6*68.67)	412	442	450	449	10.58	441	10.61	-0.03
	Sub Total (D)	**1912**	**2047**	**2079**	**2073**	**48.65**	**2027**	**48.99**	**-0.34**
E. THDC	Tehri HPS (4*250)	1000	264	264	130	4.97	207	5.00	-0.03
	Koteshwar HPS (4*100)	400	100	193	87	2.42	101	2.40	0.02
	Sub Total (E)	**1400**	**364**	**457**	**217**	**7.39**	**308**	**7.40**	**-0.01**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	659	1033	447	16.09	670	15.81	0.27
	Dehar HPS (6*165)	990	614	660	600	15.18	632	14.73	0.45
	Pong HPS (6*66)	396	121	200	100	2.91	121	2.90	0.01
	Sub Total (F)	**2765**	**1393**	**1893**	**1147**	**34.17**	**1424**	**33.44**	**0.73**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	106	229	3.79	158	3.33	0.46
	KARCHAM WANGTOO HPS(IPP) (	1000	0	1100	1050	25.55	1064	25.14	0.40
	Malana Stg-II HPS (2*50)	100	0	60	80	1.63	68	1.53	0.09
	Shree Cement TPS (2*150)	300	0	286	252	6.15	256	6.25	-0.11
	Budhil HPS(IPP) (2*35)	70	0	69	37	0.90	37	0.87	0.03
	Sub Total (G)	1662	0	1621	1649	38.00	1583	37.13	0.88
H. Total Regional Entities (A-G)		**25237**	**18248**	**19129**	**15832**	**396.19**	**16508**	**395.55**	**0.64**

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sento ut MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	770	720	17.20	717
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	78	0	0.40	17
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	792	814	18.66	778
	Goindwal(GVK) (2*270)	540	0	0	-0.04	-2
	Rajpura (2*700)	1400	1220	1320	30.72	1280
	Talwandi Saboo (3*660)	1980	470	614	12.33	514
	Thermal (Total)	**6560**	**3330**	**3468**	**79.28**	**3303**
	Total Hydro	1000	466	486	11.46	477
	Total Punjab	**7560**	**3796**	**3954**	**90.74**	**3781**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	0	0	0.00	0
	Faridabad GPS (NTPC)(2*137.75+1*156)	432	177	163	3.86	161
	RGTPP (khedar) (IPP) (2*600)	1200	740	999	20.23	843
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	948	1115	23.32	972
	Thermal (Total)	**4944**	**1865**	**2277**	**47.41**	**1975**
	Total Hydro	62	32	29	0.71	30
	Total Haryana	**5006**	**1897**	**2306**	**48.12**	**2005**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	798	787	18.94	789
	suratgarh TPS (6*250)	1500	903	1007	24.84	1035
	Chabra TPS (4*250)	1000	549	535	12.73	530
	Dholpur GPS (3*110)	330	105	104	1.82	76
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	182	190	4.55	189
	RAPS A (NPC) (1*100+1*200)	300	0	0	0.00	0
	Barsingsar (NLC) (2*125)	250	81	81	1.82	76
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	822	821	19.14	798
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	923	1014	24.66	1028
	Kawai(Adani) (2*660)	1320	1235	1167	28.84	1202
	Thermal (Total)	**8876**	**5598**	**5706**	**137**	**5722**
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	152	1413	18.88	787
	Biomass	99	28	28	0.67	28
	Solar	730	0	0	3.23	135
	Renewable/Others (Total)	4043	180	1441	22.78	949
	Total Rajasthan	**13469**	**5778**	**7147**	**160.11**	**6671**
UP	Anpara TPS (3*210+2*500)	1630	1370	1375	33.10	1379
	Obra TPS (2*50+2*94+5*200)	1194	608	592	14.10	588
	Paricha TPS (2*110+2*220+2*250)	1160	718	671	16.70	696
	Panki TPS (2*105)	210	131	131	3.10	129
	Harduaganj TPS (1*60+1*105+2*250)	665	446	555	12.80	533
	Tanda TPS (NTPC) (4*110)	440	393	384	9.15	381
	Roza TPS (IPP) (4*300)	1200	1098	1112	25.10	1046
	Anpara-C (IPP) (2*600)	1200	1035	1008	24.60	1025
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	403	405	8.80	367
	Anpara-D(2*500)	1000	329	520	11.00	458
	Lalitpur TPS(3*660)	1980	495	362	9.50	396
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**12449**	**7026**	**7115**	**168**	**6998**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	1.05	44
	Alaknanada(4*82.5)	330	146	85	0.35	15
	Other Hydro	527	48	48	1.50	63
	Cogeneration	981	100	100	2.40	100
	Total UP	**14727**	**7755**	**7783**	**173**	**7219**
Uttarakhand	Total Hydro	1398	714	748	19.03	793
	Total Uttarakhand	**1398**	**714**	**748**	**19.03**	**793**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	167	148	3.96	165
	Pragati Gas Turbine (2x104+ 1x122)	330	298	282	6.93	289
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	295	250	6.19	258
	Badarpur TPS (NTPC) (3*95+2*210)	705	174	157	3.60	150
	Thermal (Total)	2917	934	837	20.68	862
	Total Delhi	**2917**	**934**	**837**	**20.68**	**862**
HP	Baspa HPS (IPP) (3*100)	300	302	302	7.45	310
	Malana HPS (IPP) (2*43)	86	31	88	1.42	59
	Other Hydro	878	383	391	9.08	378
	Total HP	**1264**	**716**	**781**	**17.94**	**748**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	883	883	21.19	883
	Other Hydro/IPP	560	94	66	1.84	77
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**977**	**949**	**23.03**	960
Total State Control Area Generation		**47841**	**22567**	**24505**	**552.89**	**23037**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**7026**	**8449**	**181.78**	**7574**
Total Regional Availability(Gross)		**73078**	**48722**	**48786**	**1130.86**	**47119**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10293**	**8381**	**210.61**	**8775**
State Control Area Hydro	**6881**	**3534**	**3561**	**75**	**3128**
Total Regional Hydro	**19115**	**13827**	**11942**	**285.67**	**11903**

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	1.66	1.83	-0.17
765 KV Gwalior-Agra (D/C)	2568	2804	2830	0	55.82	0.00	55.82
400 KV Zerda-Kankroli	-1	-69	0	234	0.00	2.67	-2.67
400 KV Zerda-Bhinmal	27	-82	65	225	0.00	1.88	-1.88
220 KV Auraiya-Malanpur	-2	0	0	29	0.00	0.09	-0.09
220 KV Badod-Kota/Morak	53	33	75	0	1.20	0.00	1.20
Mundra-Mohindergarh(HVDC Bipole)	2200	2500	2507	0	56.49	0.00	56.49
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Phagi-Gwalior (D/C)	687	767	915	0	17.58	0.00	17.58
Sub Total WR	**5332**	**6203**			**132.75**	**6.47**	**126.28**

Pusauli Bypass/HVDC	200	-360	200	418	1.26	6.05	-4.79
400 KV MZP- GKP (D/C)	16	226	386	-76	4.97	0.00	4.97
400 KV Patna-Balia(D/C) X 2	413	633	802	0	14.04	0.00	14.04
400 KV B'Sharif-Balia (D/C)	70	180	316	0	4.33	0.00	4.33
765 KV Gaya-Balia	206	211	287	0	2.60	0.00	2.60
765 KV Gaya-Varanasi (D/C)	83	82	247	0	2.69	0.00	2.69
220 KV Pusauli-Sahupuri	174	192	211	0	4.51	0.00	4.51
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-29	-20	0	34	0.00	0.54	-0.54
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-227	21	151	227	0.26	0.00	0.26
400 KV Barh -GKP (D/C)	410	402	484	0	9.37	0.00	9.37
400 kV B'Sharif - Varanasi (D/C)	-122	-121	81	108	0.00	0.07	-0.07
Sub Total ER	**1194**	**1446**			**44.02**	**6.65**	**37.36**
+/- 800 KV BiswanathCharialli-Agra	500	800	800	0	18.14	0.00	18.14
Sub Total NER	**500**	**800**			**18.14**	**0.00**	**18.14**
Total IR Exch	**7026**	**8449**			**194.91**	**13.13**	**181.78**

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
43.89	1.96	45.85	4.79	9.96	2.34	-0.06	0.00	0.00

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incids Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER (including NER)	Through WR	Total
52.97	127.70	180.68	55.51	126.28	181.78	2.53	-1.43	1.10

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	-27	-28	0	0	0	1	-0.66

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	0.37	7.09	45.06	76.60	14.54	2.67	0.00	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	6.03	49.75	19.50	50.00	0.037	0.061	0.00	0.00	23.40

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV
Rihand	400	409	6:47	402	12:24	0.0	0.0	0.0	0.0
Gorakhpur	400	420	6:58	402	20:14	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	409	18:31	391	16:31	0.0	0.0	0.0	0.0
Kanpur	400	410	7:00	395	16:31	0.0	0.0	0.0	0.0
Dadri	400	414	5:30	393	23:13	0.4	0.4	0.0	0.0
Ballabhgarh	400	417	5:30	395	22:33	0.0	0.0	0.0	0.0
Bawana	400	413	5:39	395	23:12	0.0	0.0	0.0	0.0
Bassi	400	417	18:30	395	22:33	0.0	0.0	0.0	0.0
Hissar	400	408	4:03	391	23:10	0.0	0.0	0.0	0.0
Moga	400	405	4:07	391	23:10	0.0	0.0	0.0	0.0
Abdullapur	400	414	4:05	397	23:08	0.0	0.0	0.0	0.0
Nalagarh	400	418	4:05	399	16:20	0.0	0.0	0.0	0.0
Kishenpur	400	407	4:02	395	21:15	0.0	0.0	0.0	0.0
Wagoora	400	402	4:02	381	20:51	0.0	31.4	0.0	0.0
Amritsar	400	411	4:03	396	16:22	0.0	0.0	0.0	0.0
Kashipur	400	416	5:59	406	15:35	0.0	0.0	0.0	0.0
Hamirpur	400	403	0:00	397	9:09	0.0	0.0	0.0	0.0
Rishikesh	400	400	5:56	370	15:37	7.7	75.8	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)			
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV
Fatehpur	765	768	18:30	739	0:07	0.0	2.6	0.0	0.0
Balia	765	785	7:01	756	15:40	0.0	0.0	0.0	0.0
Moga	765	773	4:05	746	23:10	0.0	0.0	0.0	0.0
Agra	765	782	18:31	750	0:08	0.0	0.0	0.0	0.0
Bhiwani	765	778	4:02	755	22:33	0.0	0.0	0.0	0.0
Unnao	765	766	18:42	728	15:37	0.0	46.7	0.0	0.0
Lucknow	765	780	7:03	749	15:39	0.0	0.0	0.0	0.0
Meerut	765	784	5:20	753	15:16	0.0	0.0	0.0	0.0
Jhatikara	765	782	5:31	746	22:28	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	774	18:32	741	16:31	0.0	0.0	0.0	0.0
Anta	765	776	18:30	755	22:24	0.0	0.0	0.0	0.0
Phagi	765	780	18:20	750	0:11	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	475.81	368.17	486.88	636.01	657.71	613.65
Pong	426.72	384.05	392.09	80.40	405.42	352.07	44.23	241.32
Tehri	829.79	740.04	742.20	9.37	753.05	70.05	194.22	191.00
Koteshwar	612.50	598.50	605.42	2.53	609.90	4.44	191.00	159.29
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	287.96	240.46
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	502.50	3.15	523.00	10.77	205.35	135.37

*** 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	71	298	0	-79	178	0	2.03	7.74	9.77
Delhi	480	164	0	548	8	0	13.17	1.74	14.91
Haryana	363	340	0	299	327	0	8.50	5.56	14.07
HP	-635	-458	0	-482	-555	0	-11.24	-10.64	-21.87
J&K	-648	-14	0	-621	-29	0	-15.10	-0.55	-15.65
CHD	0	25	0	0	0	0	0.35	0.33	0.68
Rajasthan	-415	489	0	-415	349	0	-9.95	9.63	-0.33
UP	1507	0	0	1257	142	0	30.04	0.56	30.61
Uttarakhand	29	179	49	155	166	0	2.68	4.08	6.77
Total	**752**	**1024**	**49**	**662**	**585**	**0**	**20.50**	**18.46**	**38.95**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	273	-127	767	178	0	0
Delhi	646	431	500	-411	0	0
Haryana	495	299	365	-521	0	0
HP	-329	-686	-234	-589	0	0
J&K	-547	-722	-14	-29	0	0
CHD	44	0	59	0	0	0
Rajasthan	-415	-415	489	-206	0	0
UP	1512	1113	292	0	0	0
Uttarakhand	179	0	241	63	49	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	**14.24%**

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

WR	**6.60%**
ER	**0.00%**
Simultaneous	**47.92%**

(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:
1. LILO portion of 400kV Karcham-Abdullapur-1 at Sorang HEP removed, line now charged directly from KWHEP to Abdullpur at 1930Hrs of 19.05.16.

XIV. Weather Conditions For 19.05.2016 :
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 : 19.05.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER