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 24.05.2016
Date of Reporting : 25.05.2016

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
39309	965	40274	50.08	28064	419	28482	50.03	808.3	13.18

* 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	42.16	9.21		51.38	76.24	72.75	-3.49	124.12	0.00
Haryana	3.83	0.69		4.51	96.31	90.68	-5.63	95.20	0.18
Rajasthan	80.10	0.00	32.46	112.56	63.19	70.08	6.89	182.64	5.95
Delhi	14.14			14.14	83.69	84.39	0.70	98.53	0.03
UP	87.45	14.00		101.45	123.50	111.68	-11.81	213.14	0.00
Uttarakhand		16.89		16.89	17.49	17.55	0.06	34.43	0.00
HP		17.69		17.69	5.78	4.42	-1.36	22.11	0.00
J & K		22.91	0.00	22.91	14.38	10.12	-4.26	33.03	7.02
Chandigarh				0.00	5.49	5.11	0.27	5.11	0.00
Total	**227.68**	**81.38**	**32.46**	**341.52**	**486.07**	**466.79**	**-18.63**	**808.31**	**13.18**

* 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	5651	0	-88	441	5027	0	-144	837	5966
Haryana	5340	290	53	597	2910	0	-656	679	5825
Rajasthan	8449	242	-10	64	6417	0	297	-229	8723
Delhi	4294	0	9	683	3857	0	140	665	5001
UP	10966	0	381	1249	6832	280	-2086	1424	11193
Uttarakhand	1739	0	125	276	1198	0	-134	141	1743
HP	902	0	-77	-1223	848	0	58	-1255	1061
J&K	1729	432	141	-667	785	139	-718	-579	1825
Chandigarh	239	0	-5	0	190	0	-18	0	252
Total	**39309**	**965**	**529**	**1420**	**28064**	**419**	**-3262**	**1683**	**40494**

* 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	1881	2048	1293	38.22	1593	36.23	2.00
	Rihand I STPS (2*500)	1000	424	430	340	8.17	341	7.82	0.35
	Rihand II STPS (2*500)	1000	965	1021	603	19.25	802	18.38	0.87
	Rihand III STPS (2*500)	1000	965	995	602	19.00	792	18.24	0.76
	Dadri I STPS (4*210)	840	805	357	205	6.09	254	5.93	0.16
	Dadri II STPS (2*490)	980	965	950	675	17.12	713	18.05	-0.93
	Unchahar I TPS (2*210)	420	359	391	253	6.67	278	6.63	0.04
	Unchahar II TPS (2*210)	420	400	424	272	7.10	296	7.28	-0.17
	Unchahar III TPS (1*210)	210	200	219	122	3.24	135	3.31	-0.07
	ISTPP (Jhajjhar) (3*500)	1500	1425	621	561	10.60	442	10.91	-0.31
	Dadri GPS (4*130.19+2*154.51)	830	777	325	236	6.56	273	6.47	0.09
	Anta GPS (3*88.71+1*153.2)	419	392	0	0	0.00	0	0.10	-0.10
	Auraiya GPS (4*111.19+2*109.30)	663	620	144	129	3.14	131	3.14	-0.01
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.06	2	0.05	0.01
	Singrauli Solar(15)	15	3	0	0	0.07	3	0.06	0.01
	KHEP(4*200)	800	872	868	384	15.41	642	15.97	-0.56
	Sub Total (A)	**12112**	**11055**	**8793**	**5675**	**161**	**6697**	**159**	**2**
B. NPC	NAPS (2*220)	440	386	435	438	9.40	392	9.26	0.14
	RAPS- B (2*220)	440	200	221	223	4.42	184	4.80	-0.38
	RAPS- C (2*220)	440	210	210	213	4.37	182	5.04	-0.67
	Sub Total (B)	**1320**	**796**	**866**	**874**	**18.19**	**758**	**19.10**	**-0.91**
C. NHPC	Chamera I HPS (3*180)	540	536	552	521	10.56	440	10.62	-0.06
	Chamera II HPS (3*100)	300	300	316	301	7.27	303	7.20	0.07
	Chamera III HPS (3*77)	231	208	220	218	4.97	207	4.96	0.01
	Bairasuil HPS(3*60)	180	179	183	59	2.61	109	2.57	0.04
	Salal-HPS (6*115)	690	530	655	574	13.45	560	12.76	0.69
	Tanakpur-HPS (3*31.4)	94	47	61	39	1.32	55	1.13	0.19
	Uri-I HPS (4*120)	480	475	474	473	11.47	478	11.40	0.07
	Uri-II HPS (4*60)	240	235	239	237	5.66	236	5.64	0.02
	Dhauliganga-HPS (4*70)	280	210	215	199	3.96	165	3.91	0.04
	Dulhasti-HPS (3*130)	390	387	405	383	8.94	373	8.87	0.07
	Sewa-II HPS (3*40)	120	119	131	0	1.17	49	1.07	0.10
	Parbati 3 (4*130)	520	260	264	114	2.40	100	2.35	0.05
	Sub Total (C)	**4065**	**3487**	**3714**	**3117**	**74**	**3074**	**72**	**1**
D.SJVNL	NJPC (6*250)	1500	1605	1636	1615	38.28	1595	37.78	0.50
	Rampur HEP (6*68.67)	412	442	448	422	10.63	443	10.50	0.13
	Sub Total (D)	**1912**	**2047**	**2084**	**2037**	**48.91**	**2038**	**48.28**	**0.63**
E. THDC	Tehri HPS (4*250)	1000	264	270	250	4.77	199	4.82	-0.05
	Koteshwar HPS (4*100)	400	113	185	0	2.33	97	2.37	-0.03
	Sub Total (E)	**1400**	**377**	**455**	**250**	**7.10**	**296**	**7.19**	**-0.08**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	598	1076	480	14.61	609	14.36	0.25
	Dehar HPS (6*165)	990	625	660	560	14.89	620	15.00	-0.12
	Pong HPS (6*66)	396	108	196	98	2.56	107	2.60	-0.04
	Sub Total (F)	**2765**	**1332**	**1932**	**1138**	**32.05**	**1335**	**31.96**	**0.09**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*	192	0	109	157	2.79	116	3.46	-0.67
	KARCHAM WANGTOO HPS(IPP) (	1000	0	960	1100	24.97	1040	25.53	-0.57
	Malana Stg-II HPS (2*50)	100	0	60	60	1.39	58	1.32	0.07
	Shree Cement TPS (2*150)	300	0	281	250	5.96	248	6.14	-0.18
	Budhil HPS(IPP) (2*35)	70	0	50	69	1.35	56	1.65	-0.30
	Sub Total (G)	1662	0	1460	1637	36.45	1519	38.10	-1.65
H. Total Regional Entities (A-G)		**25237**	**19095**	**19303**	**14727**	**377.20**	**15717**	**375.70**	**1.50**

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	210	360	4.91	205
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	94	2.15	89
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	182	366	4.73	197
	Goindwal(GVK) (2*270)	540	0	0	-0.05	-2
	Rajpura (2*700)	1400	1120	660	22.43	935
	Talwandi Saboo (3*660)	1980	308	308	8.00	334
	Thermal (Total)	**6560**	**1910**	**1788**	**42.16**	**1757**
	Total Hydro	1000	390	330	9.21	384
	Total Punjab	**7560**	**2300**	**2118**	**51.38**	**2141**
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	188	149	3.94	164
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	-0.12	-5
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0
	Thermal (Total)	**4944**	**188**	**149**	**3.83**	**160**
	Total Hydro	62	24	34	0.69	29
	Total Haryana	**5006**	**212**	**183**	**4.51**	**188**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	824	806	19.68	820
	suratgarh TPS (6*250)	1500	458	383	10.22	426
	Chabra TPS (4*250)	1000	782	741	18.87	786
	Dholpur GPS (3*110)	330	100	102	2.45	102
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	175	119	4.23	176
	RAPS A (NPC) (1*100+1*200)	300	130	135	3.07	128
	Barsingsar (NLC) (2*125)	250	0	0	0.00	0
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	822	453	16.67	694
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	0	0	0.00	0
	Kawai(Adani) (2*660)	1320	600	0	4.92	205
	Thermal (Total)	**8876**	**3891**	**2739**	**80**	**3337**
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	1413	1459	29.19	1216
	Biomass	99	27	27	0.64	27
	Solar	730	0	0	2.63	110
	Renewable/Others (Total)	4043	1440	1486	32.46	1353
	Total Rajasthan	**13469**	**5331**	**4225**	**112.56**	**4690**
UP	Anpara TPS (3*210+2*500)	1630	1389	1085	29.47	1228
	Obra TPS (2*50+2*94+5*200)	1194	363	496	10.42	434
	Paricha TPS (2*110+2*220+2*250)	1160	796	753	17.66	736
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	231	323	7.83	326
	Tanda TPS (NTPC) (4*110)	440	387	276	7.79	324
	Roza TPS (IPP) (4*300)	1200	0	185	1.61	67
	Anpara-C (IPP) (2*600)	1200	540	320	9.88	412
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	58	0.41	17
	Anpara-D(2*500)	1000	0	0	0.00	0
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	0	0	0.00	0
	Thermal (Total)	**12449**	**3706**	**3496**	**85**	**3544**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	8.58	357
	Alaknanada(4*82.5)	330	155	171	4.29	179
	Other Hydro	527	44	35	1.13	47
	Cogeneration	981	100	100	2.40	100
	Total UP	**14727**	**4440**	**4237**	**101**	**4227**
Uttarakhand	Total Hydro	1398	709	708	16.89	704
	Total Uttarakhand	**1398**	**709**	**708**	**16.89**	**704**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	78	38	1.44	60
	Pragati Gas Turbine (2x104+ 1x122)	330	272	153	5.28	220
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	-5	-5	-0.11	-5
	Badarpur TPS (NTPC) (3*95+2*210)	705	333	325	7.54	314
	Thermal (Total)	2917	678	511	14.14	589
	Total Delhi	**2917**	**678**	**511**	**14.14**	**589**
HP	Baspa HPS (IPP) (3*100)	300	302	332	7.50	313
	Malana HPS (IPP) (2*43)	86	51	50	1.34	56
	Other Hydro	878	385	365	8.85	369
	Total HP	**1264**	**738**	**747**	**17.69**	**737**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	880	883	19.37	807
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**1030**	**1031**	**22.91**	955
Total State Control Area Generation		**47841**	**15438**	**13760**	**341.52**	**14230**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6095**	**509**	**105.32**	**4388**
Total Regional Availability(Gross)		**73078**	**40836**	**28996**	**824.04**	**34335**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**10181**	**8243**	**206.39**	**8600**
State Control Area Hydro	**6881**	**3525**	**3491**	**81**	**3391**
Total Regional Hydro	**19115**	**13706**	**11734**	**287.78**	**11991**

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	0	250	0.00	6.16	-6.16
765 KV Gwalior-Agra (D/C)	2578	2	2578	782	29.59	0.00	29.59
400 KV Zerda-Kankroli	-39	-323	0	356	0.00	3.84	-3.84
400 KV Zerda-Bhinmal	-25	-290	80	314	0.00	3.16	-3.16
220 KV Auraiya-Malanpur	-34	-110	0	165	0.00	0.00	0.00
220 KV Badod-Kota/Morak	63	-63	138	139	0.46	0.00	0.46
Mundra-Mohindergarh(HVDC Bipole)	1998	800	2010	0	32.23	0.00	32.23
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1027	860	1222	0	20.52	0.00	20.52
Sub Total WR	**5318**	**626**			**82.79**	**13.17**	**69.62**

Pusauli Bypass/HVDC	-200	-200	200	0	4.71	0.00	4.71
400 KV MZP- GKP (D/C)	188	16	458	28	5.47	0.00	5.47
400 KV Patna-Balia(D/C) X 2	619	255	736	0	12.88	0.00	12.88
400 KV B'Sharif-Balia (D/C)	38	-117	164	65	0.91	0.00	0.91
765 KV Gaya-Balia	166	-30	216	0	1.34	0.00	1.34
765 KV Gaya-Varanasi (D/C)	-143	222	233	222	0.84	0.00	0.84
220 KV Pusauli-Sahupuri	-156	-169	177	0	3.63	0.00	3.63
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-23	-15	0	-30	0.00	0.37	-0.37
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-120	-278	0	332	0.00	3.09	-3.09
400 KV Barh -GKP (D/C)	530	320	552	0	9.93	0.00	9.93
400 kV B'Sharif - Varanasi (D/C)	-122	-121	62	193	0.00	1.05	-1.05
Sub Total ER	**777**	**-117**			**40.19**	**4.50**	**35.69**
+/- 800 KV BiswanathCharialli-Agra	0	0	0	0	0.00	0.00	0.00
Sub Total NER	**0**	**0**			**0.00**	**0.00**	**0.00**
Total IR Exch	**6095**	**509**			**122.98**	**17.67**	**105.32**

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
36.10	1.11	37.22	4.58	8.88	0.14	-0.01	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
41.94	89.64	131.58	35.69	69.62	105.32	-6.25	-20.02	-26.26

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	-24	0	33	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	3.81	20.22	52.59	48.14	15.87	14.22	1.56	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)	
50.26	4.00	49.71	21.10	49.99	0.107	0.103	50.30	49.83	51.86

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	416	4:01	402	15:42	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	427	4:00	397	22:09	0.0	0.0	26.1	0.0	26.1
Bareilly(PG)400kV	400	420	3:58	387	14:33	0.0	1.3	0.0	0.0	0.0
Kanpur	400	428	3:58	397	19:42	0.0	0.0	27.6	0.0	27.6
Dadri	400	424	6:00	397	15:43	0.0	0.0	13.7	0.0	13.8
Ballabhgarh	400	429	4:23	398	15:43	0.0	0.0	35.7	0.0	35.7
Bawana	400	425	6:03	398	15:45	0.0	0.0	15.9	0.0	15.9
Bassi	400	428	4:00	393	15:47	0.0	0.0	22.9	0.0	22.9
Hissar	400	0	0:00	0	0:00	0.0	0.0	0.0	0.0	0.0
Moga	400	419	4:30	395	15:47	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	428	6:00	404	14:25	0.0	0.0	23.7	0.0	23.7
Nalagarh	400	428	4:52	403	15:54	0.0	0.0	22.3	0.0	22.3
Kishenpur	400	418	5:01	398	19:49	0.0	0.0	0.0	0.0	0.0
Wagoora	400	416	4:17	379	19:21	1.2	19.4	0.0	0.0	1.2
Amritsar	400	430	5:07	402	15:47	0.0	0.0	20.3	0.0	20.3
Kashipur	400	420	4:22	406	14:44	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	418	3:22	400	15:55	0.0	0.0	0.0	0.0	0.0
Rishikesh	400	414	7:50	376	11:32	1.6	30.9	0.0	0.0	1.6

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	783	4:16	735	19:50	0.0	4.2	0.0	0.0	0.0
Balia	765	795	4:00	744	22:08	0.0	0.0	0.0	0.0	0.0
Moga	765	797	4:30	758	15:46	0.0	0.0	0.0	0.0	0.0
Agra	765	794	0:28	746	19:51	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	804	4:18	759	15:49	0.0	0.0	5.7	0.0	5.7
Unnao	765	783	4:00	729	22:08	0.0	32.7	0.0	0.0	0.0
Lucknow	765	800	4:00	745	15:52	0.0	0.0	0.0	0.0	0.0
Meerut	765	798	4:23	754	11:24	0.0	0.0	0.0	0.0	0.0
Jhatikara	765	794	4:16	670	15:35	1.0	1.0	0.0	0.0	1.0
Bareilly 765 kV	765	793	4:00	735	15:52	0.0	8.4	0.0	0.0	0.0
Anta	765	799	2:23	752	19:45	23.8	23.8	0.0	0.0	23.8
Phagi	765	0	0:00	0	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	477.34	401.01	487.62	661.49	787.58	508.46
Pong	426.72	384.05	391.87	80.40	405.67	361.16	127.00	214.22
Tehri	829.79	740.04	743.20	15.17	753.70	75.00	173.86	182.00
Koteshwar	612.50	598.50	603.83	1.88	606.85	3.32	182.00	153.56
Chamera-I	760.00	748.75	754.66	0.00	0.00	0.00	274.90	290.73
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	503.56	2.25	522.41	10.76	248.89	109.80

*** 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	176	662	0	72	369	0	3.16	12.73	15.89
Delhi	576	88	0	629	55	0	15.40	2.20	17.60
Haryana	349	330	0	285	312	0	8.17	5.45	13.62
HP	-747	-508	0	-645	-578	0	-14.42	-12.37	-26.79
J&K	-579	0	0	-653	-15	0	-15.72	-0.18	-15.90
CHD	0	0	0	0	0	0	0.35	0.28	0.63
Rajasthan	-413	185	0	-413	477	0	-9.92	9.76	-0.16
UP	1424	0	0	1249	0	0	29.83	0.00	29.83
Uttarakhand	131	10	0	131	145	0	3.15	0.94	4.09
Total	**917**	**767**	**0**	**654**	**765**	**0**	**20.00**	**18.82**	**38.82**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	275	-26	681	355	0	0
Delhi	787	478	372	-269	0	0
Haryana	482	285	330	-56	0	0
HP	-442	-747	-351	-678	0	0
J&K	-529	-753	0	-15	0	0
CHD	44	0	85	0	0	0
Rajasthan	-413	-413	510	98	0	0
UP	1424	1127	0	0	0	0
Uttarakhand	131	131	150	3	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 24.05.2016 :

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 : 24.05.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER

Punjab	-3.5
Haryana	-5.6
Rajasthan	6.9
Delhi	0.7
UP	-11.8
Uttarakhar	0.1
Chandigar	-0.4
Pusauli Bl	200

< 48.0	48.0-48.5	48.5-49.0	49.0-49.5	49.5-50.0	50.0-50.5	> 50.5	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ud-od(MU)	equirement
-3.5	124.1
-5.6	95.4
6.9	188.6
0.7	98.6
-11.8	213.1
	34.4
	22.1
-4.3	40.1
	5.1
-17.6	821.5

DC CHECK

1593		
341		
802		
792		
254		
713		
278		
296		
135		
442		
273		
0		
131		
1		
2		
3		
642		
6697		
392		
184		
182		
758		
440		
303		
207		
109		
560		
50		
478		
230		
165		
373		
49		
100		
3074		
1595		
443		
2038		
199		
97		
296		
609		
620		
107		
1335		
116		
1040		
50		
249		
55		
1518		
15717		

State	Installed Capacity
Chandigarh	0
Delhi	2917
Haryana	5006

HP	1264
J&K	1500
Punjab	7560
Rajasthan	13469
UP	14727
Uttarakhand	1398

28996 **Availability Checking**

250

2578

356

165

0

200

458

736

164

177

0

0

0

0