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 29.05.2016
Date of Reporting : 30.05.2016

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
36348	1225	37574	50.08	30659	242	30901	50.03	810.3	7.96

* 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 (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages * (MU)
	Thermal	Hydro	Renewable/others $	Total					
Punjab	49.81	8.76		58.57	70.52	72.73	2.22	131.30	0.00
Haryana	17.37	0.53		17.90	86.38	78.01	-8.37	95.91	0.00
Rajasthan	106.59	0.00	37.83	144.41	51.16	51.98	0.82	196.39	0.00
Delhi	20.38			20.38	75.76	73.42	-2.34	93.81	0.00
UP	83.18	14.19		97.37	120.51	105.45	-15.05	202.82	0.00
Uttarakhand		8.36		8.36	16.95	18.20	1.26	26.56	0.00
HP		15.13		15.13	9.07	6.74	-2.33	21.88	0.00
J & K		21.14	0.00	21.14	16.15	16.09	-0.06	37.22	7.96
Chandigarh				0.00	4.79	4.44	0.27	4.44	0.00
Total	**277.33**	**68.10**	**37.83**	**383.26**	**451.28**	**427.07**	**-23.59**	**810.33**	7.96

* 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				Maximum Demand Met (MW) and Time(Hrs)		Shortage (MW)
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction			
Punjab	5249	0	-194	-20	4887	0	194	136	6214	16:00	0
Haryana	4615	0	-1005	356	4022	0	-229	493	5210	15:00	0
Rajasthan	7369	0	-263	24	8278	0	5	36	9224	1:00	0
Delhi	3967	0	-200	508	4333	0	142	486	4594	1:00	0
UP	10670	790	171	1079	6127	0	-2474	1132	10703	21:00	740
Uttarakhand	1633	0	241	267	723	0	3	226	1666	21:00	0
HP	892	0	-137	-946	729	0	-117	-842	1045	16:00	0
J&K	1741	435	248	-408	1370	242	-90	-759	1765	6:00	441
Chandigarh	213	0	2	0	189	0	7	0	213	20:00	0
Total	**36348**	**1225**	**-1138**	**860**	**30659**	**242**	**-2558**	**908**	**37662**	**16:00**	**813**

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

Diversity is 1.08

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	1900	1638	1440	34.79	1450	34.20	0.59
	Rihand I STPS (2*500)	1000	410	310	293	7.13	297	6.90	0.23
	Rihand II STPS (2*500)	1000	966	734	662	15.72	655	16.00	-0.28
	Rihand III STPS (2*500)	1000	966	755	644	15.48	645	16.09	-0.61
	Dadri I STPS (4*210)	840	805	294	304	6.22	259	6.31	-0.09
	Dadri II STPS (2*490)	980	960	730	677	14.69	612	15.24	-0.55
	Unchahar I TPS (2*210)	420	360	255	251	5.39	225	5.63	-0.24
	Unchahar II TPS (2*210)	420	400	259	264	5.59	233	6.12	-0.53
	Unchahar III TPS (1*210)	210	200	129	119	2.62	109	3.06	-0.44
	ISTPP (Jhajjhar) (3*500)	1500	1425	651	631	14.13	589	14.36	-0.23
	Dadri GPS (4*130.19+2*154.51)	830	779	183	326	5.37	224	5.65	-0.28
	Anta GPS (3*88.71+1*153.2)	419	386	234	0	2.62	109	2.77	-0.15
	Auraiya GPS (4*111.19+2*109.30)	663	622	0	139	1.02	42	1.05	-0.03
	Dadri Solar(5)	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar(10)	10	2	0	0	0.05	2	0.04	0.01
	Singrauli Solar(15)	15	3	0	0	0.08	3	0.07	0.01
	KHEP(4*200)	800	872	872	163	12.09	504	12.00	0.09
	Sub Total (A)	**12112**	**11057**	**7044**	**5913**	**143**	**5958**	**146**	**-2.52**
B. NPC	NAPS (2*220)	440	389	220	442	6.69	279	9.34	-2.65
	RAPS- B (2*220)	440	363	406	406	8.71	363	8.71	0.00
	RAPS- C (2*220)	440	210	223	223	4.62	193	5.04	-0.42
	Sub Total (B)	**1320**	**962**	**849**	**1071**	**20.02**	**834**	**23.09**	**-3.06**
C. NHPC	Chamera I HPS (3*180)	540	540	541	74	6.44	268	6.45	-0.01
	Chamera II HPS (3*100)	300	300	313	204	7.10	296	7.05	0.05
	Chamera III HPS (3*77)	231	195	224	225	4.69	195	4.52	0.17
	Bairasuil HPS(3*60)	180	179	183	61	2.16	90	2.15	0.01
	Salal-HPS (6*115)	690	207	0	640	4.97	207	4.97	0.00
	Tanakpur-HPS (3*31.4)	94	30	54	35	0.66	28	0.71	-0.05
	Uri-I HPS (4*120)	480	475	471	471	11.46	477	11.40	0.06
	Uri-II HPS (4*60)	240	226	239	240	5.51	229	5.44	0.07
	Dhauliganga-HPS (4*70)	280	210	215	68	3.44	144	3.43	0.02
	Dulhasti-HPS (3*130)	390	387	403	389	9.37	390	9.29	0.07
	Sewa-II HPS (3*40)	120	119	86	0	0.91	38	0.90	0.01
	Parbati 3 (4*130)	520	260	265	132	1.56	65	1.55	0.01
	Sub Total (C)	**4065**	**3129**	**2995**	**2540**	**58**	**2428**	**58**	**0.41**
D.SJVNL	NJPC (6*250)	1500	1605	1620	1610	36.54	1523	36.60	-0.06
	Rampur HEP (6*68.67)	412	442	446	446	10.23	426	10.12	0.11
	Sub Total (D)	**1912**	**2047**	**2066**	**2056**	**46.77**	**1949**	**46.72**	**0.05**
E. THDC	Tehri HPS (4*250)	1000	260	258	0	3.29	137	3.35	-0.07
	Koteshwar HPS (4*100)	400	104	198	0	1.91	80	1.93	-0.01
	Sub Total (E)	**1400**	**364**	**456**	**0**	**5.20**	**217**	**5.28**	**-0.08**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	624	1187	374	15.09	629	14.97	0.12
	Dehar HPS (6*165)	990	486	660	495	11.61	484	11.67	-0.06
	Pong HPS (6*66)	396	85	196	49	1.95	81	2.03	-0.08
	Sub Total (F)	**2765**	**1195**	**2043**	**918**	**28.65**	**1194**	**28.67**	**-0.03**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	72	56	2.21	92	2.51	-0.30
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	980	980	21.20	883	21.83	-0.63
	Malana Stg-II HPS (2*50)	100	0	55	40	1.06	44	0.99	0.07
	Shree Cement TPS (2*150)	300	0	286	287	6.76	282	6.84	-0.08
	Budhil HPS(IPP) (2*35)	70	0	40	60	1.09	45	1.65	-0.56
	Sub Total (G)	**1662**	**0**	**1433**	**1423**	**32.32**	**1346**	**33.82**	**-1.50**
H. Total Regional Entities (A-G)		**25237**	**18754**	**16886**	**13921**	**334.21**	**13926**	**340.95**	**-6.74**

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	320	320	7.41	309
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	100	2.25	94
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	362	367	8.39	349
	Goindwal(GVK) (2*270)	540	0	0	-0.08	-3
	Rajpura (2*700)	1400	1020	660	23.23	968
	Talwandi Saboo (3*660)	1980	464	308	8.61	359
	Thermal (Total)	**6560**	**2266**	**1755**	**49.81**	**2075**
	Total Hydro	1000	421	273	8.76	365
	Total Punjab	**7560**	**2687**	**2028**	**58.57**	**2440**
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	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	0	0	0.00	0
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	746	746	17.37	724
	Thermal (Total)	**4944**	**746**	**746**	**17.37**	**724**
	Total Hydro	62	38	13	0.53	22
	Total Haryana	**5006**	**784**	**759**	**17.90**	**746**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	803	802	19.29	804
	suratgarh TPS (6*250)	1500	379	377	8.97	374
	Chabra TPS (4*250)	1000	532	586	12.75	531
	Dholpur GPS (3*110)	330	0	96	1.80	75
	Ramgarh GPS(1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	170	151	4.19	174
	RAPS A (NPC) (1*100+1*200)	300	139	130	3.32	138
	Barsingsar (NLC) (2*125)	250	80	64	1.61	67
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	448	457	12.75	531
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	798	806	19.27	803
	Kawai(Adani) (2*660)	1320	900	947	22.65	944
	Thermal (Total)	**8876**	**4249**	**4416**	**107**	**4441**
	Total Hydro	550	0	0	0.00	0
	Wind power	3214	1465	1621	37.11	1546
	Biomass	99	30	30	0.72	30
	Solar	730	0	0	0.00	0
	Renewable/Others (Total)	4043	1495	1651	37.83	1576
	Total Rajasthan	**13469**	**5744**	**6067**	**144.41**	**6017**
UP	Anpara TPS (3*210+2*500)	1630	1334	1123	29.21	1217
	Obra TPS (2*50+2*94+5*200)	1194	518	542	12.45	519
	Paricha TPS (2*110+2*220+2*250)	1160	185	269	5.42	226
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	225	303	4.84	202
	Tanda TPS (NTPC) (4*110)	440	194	210	4.48	187
	Roza TPS (IPP) (4*300)	1200	270	194	5.18	216
	Anpara-C (IPP) (2*600)	1200	536	639	12.35	515
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	162	81	3.15	131
	Anpara-D(2*500)	1000	80	94	2.66	111
	Lalitpur TPS(3*660)	1980	0	0	0.00	0
	Bara(2*660)	1320	0	151	1.03	43
	Thermal (Total)	**12449**	**3504**	**3606**	**81**	**3366**
	Vishnuparyag HPS (IPP)(4*110)	440	435	435	9.92	413
	Alaknanada(4*82.5)	330	86	76	3.42	143
	Other Hydro	527	72	40	0.85	36
	Cogeneration	981	100	100	2.40	100
	Total UP	**14727**	**4197**	**4257**	**97**	**4057**
Uttarakhand	Total Hydro	1398	601	83	8.36	348
	Total Uttarakhand	**1398**	**601**	**83**	**8.36**	**348**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	31	31	0.81	34
	Pragati Gas Turbine (2x104+ 1x122)	330	262	264	6.39	266
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	255	255	6.06	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	324	316	7.14	297
	Thermal (Total)	2917	872	866	20.38	849
	Total Delhi	**2917**	**872**	**866**	**20.38**	**849**
HP	Baspa HPS (IPP) (3*100)	300	224	224	5.90	246
	Malana HPS (IPP) (2*43)	86	30	37	0.93	39
	Other Hydro	878	342	349	8.31	346
	Total HP	**1264**	**596**	**610**	**15.13**	**631**
J & K	Baglihar HPS (IPP) (3*150+2*150)	750	733	733	17.59	733
	Other Hydro/IPP	560	150	148	3.54	148
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1500**	**883**	**881**	**21.14**	881
Total State Control Area Generation		**47841**	**16364**	**15551**	**383.26**	**15969**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5110**	**2370**	**98.06**	**4086**
Total Regional Availability(Gross)		**73078**	**38360**	**31842**	**815.53**	**33980**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9539**	**6753**	**175.43**	**7310**
State Control Area Hydro	**6881**	**3132**	**2411**	**68**	**2838**
Total Regional Hydro	**19115**	**12671**	**9164**	**243.54**	**10147**

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)	-100	-250	100	250	0.48	3.80	-3.32
765 KV Gwalior-Agra (D/C)	2774	772	2796	0	40.59	0.00	40.59
400 KV Zerda-Kankroli	-50	-256	0	298	0.00	4.20	-4.20
400 KV Zerda-Bhinmal	-12	-229	18	284	0.00	3.48	-3.48
220 KV Auraiya-Malanpur	15	-79	0	123	0.00	0.36	-0.36
220 KV Badod-Kota/Morak	-31	-50	21	72	0.00	0.84	-0.84
Mundra-Mohindergarh(HVDC Bipole)	900	1498	2214	0	36.15	0.00	36.15
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	45	84	462	54	4.22	0.00	4.22
Sub Total WR	**3541**	**1490**			**81.44**	**12.68**	**68.76**
Pusauli Bypass/HVDC	400	400	400	0	9.24	0.00	9.24
400 KV MZP- GKP (D/C)	22	-165	285	165	0.00	1.63	-1.63
400 KV Patna-Balia(D/C) X 2	479	229	762	0	11.48	0.00	11.48
400 KV B'Sharif-Balia (D/C)	-20	-168	0	168	0.00	0.68	-0.68
765 KV Gaya-Balia	114	30	220	0	1.19	0.00	1.19
765 KV Gaya-Varanasi (D/C)	-66	111	135	89	0.78	0.00	0.78
220 KV Pusauli-Sahupuri	160	177	198	0	3.80	0.00	3.80
132 KV K'nasa-Sahupuri	20	0	22	0	0.42	0.00	0.42
132 KV Son Ngr-Rihand	-36	-22	0	46	0.00	0.71	-0.71
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-312	-283	0	454	0.00	5.74	-5.74
400 KV Barh -GKP (D/C)	430	192	496	0	6.86	0.00	6.86
400 kV B'Sharif - Varanasi (D/C)	-122	-121	66	223	0.00	1.90	-1.90
Sub Total ER	**1069**	**380**			**33.77**	**10.65**	**23.12**
+/- 800 KV BiswanathCharialli-Agra	500	500	500	0	6.18	0.00	6.18
Sub Total NER	**500**	**500**			**6.18**	**0.00**	**6.18**
Total IR Exch	**5110**	**2370**			**121.39**	**23.33**	**98.06**

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
29.56	0.91	30.47	-1.36	2.51	0.00	0.00	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
29.11	98.70	127.81	29.29	68.76	98.06	0.18	-29.94	-29.76

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	-8	-27	0	32	0	1	-0.64

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	1.01	26.44	52.72	26.78	18.74	0.83	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)	
50.27	18.05	49.85	14.12	50.04	0.064	0.067	0.00	0.00	47.28

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviat
		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 Deviat
		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	477.79	414.26	487.77	661.49	581.32	516.67
Pong	426.72	384.05	391.34	72.04	405.68	361.16	58.25	168.09
Tehri	829.79	740.04	742.40	11.28	752.70	63.70	175.36	126.00
Koteshwar	612.50	598.50	606.84	3.32	606.70	3.10	126.00	126.10
Chamera-I	760.00	748.75	753.60	0.00	0.00	0.00	216.64	177.93
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	504.06	2.61	521.72	10.78	162.36	132.26

*** 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	-28	164	0	-130	110	0	-0.72	3.82	3.09
Delhi	482	4	0	550	-41	0	12.33	-1.35	10.99
Haryana	254	239	0	193	162	0	5.23	4.17	9.40
HP	-543	-299	0	-442	-505	0	-10.55	-9.22	-19.77
J&K	-730	-29	0	-602	194	0	-15.22	2.19	-13.03
CHD	0	0	0	0	0	0	0.35	0.23	0.59
Rajasthan	-413	449	0	-413	438	0	-9.92	10.26	0.34
UP	1066	66	0	1079	0	0	24.17	1.45	25.62
Uttarakhand	58	168	0	58	209	0	1.39	4.53	5.92
Total	**146**	**762**	**0**	**293**	**567**	**0**	**7.07**	**16.07**	**23.14**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	220	-130	409	98	0	0
Delhi	554	432	325	-412	0	0
Haryana	416	116	246	-29	0	0
HP	-340	-645	-219	-616	0	0
J&K	-529	-804	194	-29	0	0
CHD	44	0	49	0	0	0
Rajasthan	-413	-413	482	162	0	0
UP	1192	856	391	0	0	0
Uttarakhand	58	58	226	160	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 29.05.2016 :
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 : 29.05.2016

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER