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 28.10.2015
Date of Reporting : 29.10.2015

I. Regional Availability/Demand:

Evening Peak (19:00 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
36216	456	36672	50.17	30361	1192	31554	50.12	779.7	26.92

* 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	34.79	10.11		44.90	47.58	47.50	-0.08	92.40	0.00
Haryana	55.78	0.46		56.24	55.27	53.12	-2.14	109.36	0.00
Rajasthan	108.05	4.09	17.13	129.27	58.97	59.13	0.16	188.40	0.00
Delhi	15.57			15.57	52.72	51.20	-1.53	66.77	0.04
UP	113.40	8.00		121.40	104.94	102.80	-2.15	224.20	17.13
Uttarakhand		9.74		9.74	21.96	23.34	1.39	33.08	0.00
HP		6.75		6.75	16.48	17.20	0.72	23.95	2.60
J & K		10.45	0.00	10.45	27.21	27.61	0.40	38.06	7.15
Chandigarh				0.00	3.51	3.48	0.27	3.48	0.00
Total	**327.59**	**49.60**	**17.13**	**394.31**	**388.64**	**385.38**	**-2.96**	**779.69**	**26.92**

* 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 (19:00 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	4545	0	-60	-488	3191	0	23	-504	4545
Haryana	6047	0	-87	-280	3743	0	62	-478	6047
Rajasthan	7584	0	-130	225	8159	0	137	610	9116
Delhi	3270	0	18	-69	2249	0	-7	-539	3270
UP	10230	80	-293	49	9844	990	-122	140	10429
Uttarakhand	1678	0	73	302	1114	0	71	283	1678
HP	1177	0	86	-400	816	0	24	129	1279
J&K	1504	376	-12	18	1147	202	197	60	1506
Chandigarh	182	0	-8	-80	98	0	-4	0	182
Total	**36216**	**456**	**-413**	**-723**	**30361**	**1192**	**380**	**-299**	**36216**

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

Diversity is 1.05

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	1897	1683	2051	42.28	1762	41.85	0.43
	Rihand I STPS (2*500)	1000	870	659	900	16.96	706	17.00	-0.04
	Rihand II STPS (2*500)	1000	962	704	677	17.32	722	17.23	0.09
	Rihand III STPS (2*500)	1000	480	305	398	9.36	390	9.19	0.17
	Dadri I STPS (4*210)	840	806	147	157	3.40	142	3.36	0.04
	Dadri II STPS (2*490)	980	978	706	656	15.79	658	16.51	-0.73
	Unchahar I TPS (2*210)	420	329	125	241	5.43	226	5.80	-0.38
	Unchahar II TPS (2*210)	420	384	284	299	6.06	252	6.43	-0.37
	Unchahar III TPS (1*220)	210	200	138	143	3.09	129	3.35	-0.26
	ISTPP (Jhajjhar) (3*500)	1500	1436	660	618	14.14	589	13.99	0.15
	Dadri GPS (4*130.19+2*154.51)	830	688	298	299	6.99	291	7.07	-0.07
	Anta GPS (3*88.71+1*153.2)	419	409	0	0	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	650	204	205	4.74	197	4.72	0.02
	Dadri Solar	5	1	0	0	0.01	1	0.02	-0.01
	Unchahar Solar	10	3	0	0	0.01	0	0.06	-0.06
	Singrauli Solar	15	1	0	0	0.02	1	0.03	-0.01
	KHEP	800	650	657	0	4.33	180	4.20	0.13
	Sub Total (A)	**12112**	**10744**	**6570**	**6644**	**150**	**6246**	**151**	**-1**
B. NPC	NAPS (2*220)	440	399	445	442	9.65	402	9.58	0.07
	RAPS- B (2*220)	440	398	446	445	9.61	400	9.55	0.06
	RAPS- C (2*220)	440	410	453	452	9.73	406	9.84	-0.11
	Sub Total (B)	**1320**	**1207**	**1344**	**1339**	**28.99**	**1208**	**28.97**	**0.02**
C. NHPC	Chamera I HPS (3*180)	540	540	515	0	1.69	70	1.66	0.03
	Chamera II HPS (3*100)	300	300	298	0	2.27	95	2.10	0.17
	Chamera III HPS (3*77)	231	229	226	0	1.32	55	1.25	0.07
	Bairasuil HPS(3*60)	180	179	122	0	0.81	34	0.80	0.01
	Salal-HPS (6*115)	690	277	448	296	7.30	304	6.64	0.65
	Tanakpur-HPS (3*40)	94	37	34	36	0.99	41	0.90	0.09
	Uri-I HPS (4*120)	480	397	470	356	9.80	409	9.49	0.31
	Uri-II HPS (4*60)	240	232	237	241	5.58	233	5.56	0.02
	Dhauliganga-HPS (4*70)	280	280	273	0	1.45	61	1.34	0.12
	Dulhasti-HPS (3*130)	390	387	395	121	5.48	228	5.20	0.28
	Sewa-II HPS (3*40)	120	119	119	0	0.87	36	0.81	0.07
	Parbati 3 (4*130)	520	260	0	0	0.81	34	0.59	0.22
	Sub Total (C)	**4065**	**3237**	**3137**	**1051**	**38**	**1599**	**36**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1492	0	12.54	523	12.58	-0.04
	Rampur HEP (6*68.67)	412	429	411	0	3.54	147	3.49	0.05
	Sub Total (D)	**1912**	**2034**	**1903**	**0**	**16.08**	**670**	**16.07**	**0.01**
E. THDC	Tehri HPS (4*250)	1000	1080	530	0	4.73	197	4.61	0.12
	Koteshwar HPS (4*100)	400	92	98	93	2.18	91	2.20	-0.02
	Sub Total (E)	**1400**	**1172**	**628**	**93**	**6.91**	**288**	**6.81**	**0.10**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	526	1059	385	12.98	541	12.62	0.36
	Dehar HPS (6*165)	990	216	660	140	5.08	212	5.19	-0.11
	Pong HPS (6*66)	396	176	324	66	4.20	175	4.23	-0.03
	Sub Total (F)	**2765**	**918**	**2043**	**591**	**22.26**	**927**	**22.03**	**0.22**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	89	0	0.79	33	0.77	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	720	0	6.56	274	6.96	-0.39
	Malana Stg-II HPS (2*50)	100	0	0	0	0.32	13	0.30	0.02
	Shree Cement TPS (2*150)	300	0	257	260	6.19	258	6.23	-0.05
	Budhil HPS(IPP) (2*35)	70	0	75	0	0.35	15	0.34	0.01
	Sub Total (G)	1662	0	1141	260	14.22	592	14.60	-0.38
H. Total Regional Entities (A-G)		**25237**	**19312**	**16767**	**9977**	**276.75**	**11531**	**275.62**	**1.13**

I. State Entities	Station	Effective Installed Capacity (MW)	Peak MW	Off Peak MW	Energy(MU)	Average(Sent out MW)
Punjab	Guru Gobind Singh TPS (Ropar) (6*210)	1260	160	160	3.52	147
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	180	3.53	147
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	205	193	4.05	169
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	348	360	8.93	372
	Talwandi Saboo (2*660)	1320	664	703	14.76	615
	Thermal (Total)	**5360**	**1477**	**1596**	**34.79**	**1450**
	Total Hydro	1000	418	421	10.11	421
	Total Punjab	**6360**	**1895**	**2017**	**44.90**	**1871**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	402	437	9.12	380
	DCRTPP (Yamuna nagar) (2*300)	600	554	447	10.90	454
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	778	740	17.91	746
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	738	738	17.85	744
	Thermal (Total)	**4944**	**2472**	**2362**	**55.78**	**2324**
	Total Hydro	62	18	16	0.46	19
	Total Haryana	**5006**	**2490**	**2378**	**56.24**	**2343**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	649	838	19.50	813
	suratgarh TPS (6*250)	1500	798	953	21.68	904
	Chabra TPS (4*250)	1000	335	403	8.62	359
	Dholpur GPS (3*110)	330	89	88	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	212	67	3.48	145
	RAPS A (NPC) (1*100+1*200)	300	159	160	3.96	165
	Barsingsar (NLC) (2*125)	250	186	190	4.23	176
	Giral LTPS (2*125)	250	83	81	1.58	66
	Rajwest LTPS (IPP) (8*135)	1080	446	833	12.76	532
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	940	940	21.92	913
	Kawai(Adani) (2*660)	1320	434	440	10.31	429
	Thermal (Total)	**8876**	**4331**	**4993**	**108**	**4502**
	Total Hydro	550	181	209	4.09	171
	Wind power	3214	539	493	13.82	576
	Biomass	99	22	22	0.52	22
	Solar	730	0	0	2.79	116
	Renewable/Others (Total)	4043	561	515	17.13	714
	Total Rajasthan	**13469**	**5073**	**5717**	**129.27**	**5386**
UP	Anpara TPS (3*210+2*500)	1630	1375	1354	32.60	1358
	Obra TPS (2*50+2*94+5*200)	1194	465	465	11.00	458
	Paricha TPS (2*110+2*220+2*250)	1140	488	552	11.90	496
	Panki TPS (2*105)	210	0	63	1.30	54
	Harduaganj TPS (1*60+1*105+2*250)	665	413	527	10.40	433
	Tanda TPS (NTPC) (4*110)	440	273	284	6.60	275
	Roza TPS (IPP) (4*300)	1200	385	388	9.60	400
	Anpara-C (IPP) (2*600)	1200	648	1084	18.50	771
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	57	58	1.30	54
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	402	409	9.60	400
	Thermal (Total)	**9289**	**4506**	**5184**	**113**	**4700**
	Vishnuparyag HPS (IPP)(4*110)	440	152	142	3.30	138
	Alaknanada(4*82.5)	330	84	85	2.20	92
	Other Hydro	527	176	96	2.50	104
	Cogeneration	981	25	25	0.60	25
	Total UP	**11567**	**4943**	**5532**	**121**	**5058**
Uttarakhand	Total Hydro	1398	474	303	9.74	406
	Total Uttarakhand	**1398**	**474**	**303**	**9.74**	**406**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	34	37	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	157	154	3.76	157
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	265	6.00	250
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	4.91	205
	Thermal (Total)	2917	608	621	15.57	649
	Total Delhi	**2917**	**608**	**621**	**15.57**	**649**
HP	Baspa HPS (IPP) (3*100)	300	63	63	1.67	70
	Malana HPS (IPP) (2*43)	86	47	0	0.38	16
	Other Hydro	878	231	173	4.70	196
	Total HP	**1264**	**341**	**236**	**6.75**	**281**
J & K	Baglihar HPS (IPP) (3*150)	450	378	289	8.10	337
	Other Hydro/IPP	560	109	91	2.35	98
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**487**	**380**	**10.45**	435
Total State Control Area Generation		**43181**	**16311**	**17184**	**394.31**	**16430**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**3695**	**4834**	**122.09**	**5087**
Total Regional Availability(Gross)		**68418**	**36773**	**31995**	**793.15**	**33048**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9177**	**1734**	**95.64**	**3985**
State Control Area Hydro	**6581**	**2331**	**1888**	**50**	**2066**
Total Regional Hydro	**18815**	**11508**	**3622**	**145.23**	**6051**

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
Vindhychal(HVDC B/B)	0	-250	0	250	0.00	4.44	-4.44
765 KV Gwalior-Agra (D/C)	1385	1791	2405	0	42.97	0.00	42.97
400 KV Zerda-Kankroli	-213	-168	0	290	0.00	3.29	-3.29
400 KV Zerda-Bhinmal	-167	-113	89	249	0.00	1.93	-1.93
220 KV Auraiya-Malanpur	-67	-50	0	111	0.00	1.08	-1.08
220 KV Badod-Kota/Morak	-96	-133	2	163	0.00	2.73	-2.73
Mundra-Mohindergarh(HVDC Bipole)	2000	1798	0	2006	44.66	0.00	44.66
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	416	841	1140	0	20.46	0.00	20.46
Sub Total WR	**3258**	**3716**			**108.09**	**13.47**	**94.62**
Pusauli Bypass/HVDC	400	400	400	0	8.97	0.00	8.97
400 KV MZP- GKP (D/C)	52	72	276	162	1.64	0.00	1.64
400 KV Patna-Balia(D/C) X 2	231	332	516	0	9.14	0.00	9.14
400 KV B'Sharif-Balia (D/C)	-129	-64	118	136	0.00	0.27	-0.27
765 KV Gaya-Balia	39	32	173	0	1.06	0.00	1.06
765 KV Gaya-Fatehpur	-210	3	115	210	0.28	0.00	0.28
220 KV Pusauli-Sahupuri	156	160	170	0	3.34	0.00	3.34
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-35	-26	0	35	0.00	0.57	-0.57
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-367	-163	0	367	0.00	3.56	-3.56
400 KV Barh -GKP (D/C)	300	372	358	0	6.98	0.00	6.98
Sub Total ER	**437**	**1118**			**31.88**	**4.41**	**27.48**
+/- 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	**3695**	**4834**			**139.97**	**17.88**	**122.09**

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
27.28	1.41	28.69	3.33	-20.82	12.38	2.12	1.37	-1.37

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
45.78	81.67	127.45	27.48	94.62	122.09	-18.31	12.95	-5.35

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(19:00 Hrs)	Off Peak(03:00 Hrs)	Maximum Interchange (MW)		Energy (MU)		Net Energy
	MW	MW	Import	Export	Import	Export	MU
132 KV Tanakpur - Mahendarnagar	0	0	0	0	0	0	0.00

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	1.37	8.02	43.84	65.49	18.65	6.56	1.34	0.00

<---------- Frequency (Hz) ---------->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)
50.28	12.01	49.72	18.12	50.01	0.061	0.078	50.31	49.89

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	411	23:41	403	08:49	0.0	0.0	0.0	0.0
Gorakhpur	400	422	13:07	403	17:25	0.0	0.0	1.6	0.0
Bareilly	400	419	13:07	399	18:09	0.0	0.0	0.0	0.0
Kanpur	400	411	23:55	407	18:10	0.0	0.0	10.9	0.0
Dadri	400	425	23:54	406	11:08	0.0	0.0	25.7	0.0
Ballabhgarh	400	431	23:42	410	11:07	0.0	0.0	43.3	0.9
Bawana	400	428	23:55	409	11:06	0.0	0.0	36.7	0.0
Bassi	400	433	20:55	402	11:11	0.0	0.0	23.4	5.1
Hissar	400	421	03:57	403	11:06	0.0	0.0	1.4	0.0
Moga	400	424	01:27	407	18:12	0.0	0.0	26.1	0.0
Abdullapur	400	425	23:11	404	11:10	0.0	0.0	24.0	0.0
Nalagarh	400	430	23:26	408	18:26	0.0	0.0	38.0	0.0
Kishenpur	400	425	13:03	401	06:47	0.0	0.0	16.0	0.0
Wagoora	400	412	03:50	378	18:22	3.5	28.2	0.0	0.0
Amritsar	400	428	01:28	411	18:12	0.0	0.0	39.1	0.0
Kashipur	400	419	13:05	414	14:50	0.0	0.0	0.0	0.0
Hamirpur	400	423	00:11	404	11:06	0.0	0.0	24.4	0.0
Rishikesh	400	404	14:15	387	18:12	0.0	9.5	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	781	13:07	748	18:11	0.0	0.0	0.0	0.0
Balia	765	778	13:07	748	18:12	0.0	0.0	0.0	0.0
Moga	765	806	01:27	770	18:12	0.0	0.0	7.5	0.0
Agra	765	800	21:11	765	18:08	0.0	0.0	0.0	0.0
Bhiwani	765	807	21:12	774	11:22	0.0	0.0	32.2	0.0
Unnao	765	776	23:55	742	18:11	0.0	0.0	0.0	0.0
Lucknow	765	782	13:16	753	18:16	0.0	0.0	0.0	0.0
Meerut	765	812	01:27	774	18:12	0.0	0.0	34.6	0.0
Jhatikara	765	800	00:00	765	00:00	0.0	0.0	0.0	0.0
Bareilly	765	800	00:00	765	00:00	0.0	0.0	0.0	0.0
Anta	765	789	20:54	763	12:01	0.0	0.0	0.0	0.0
Phagi	765	800	20:42	762	10:34	0.0	0.0	0.0	0.0

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	509.54	1530.03	507.40	1426.07	273.71	345.32
Pong	426.72	384.05	418.82	834.82	414.04	633.63	70.88	251.09
Tehri	829.79	740.04	818.25	967.25	813.80	878.26	72.89	105.00
Koteshwar	612.50	598.50	609.09	4.21	608.63	3.98	105.00	143.70
Chamera-I	760.00	748.75	756.06	0.00	0.00	0.00	51.97	45.82
Rihand	268.22	252.98	850.90	269.90	854.00	321.50	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	511.84	3.71	510.17	2.05	148.05	199.52

*** NA: Not Available**

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (19:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	-701	198	0	-703	215	0	-13.61	4.55	-9.06
Delhi	-135	-402	-2	-37	-33	0	-1.97	-2.30	-4.27
Haryana	-550	72	0	-534	254	0	-13.08	2.17	-10.91
HP	-50	180	0	127	-526	0	1.33	-0.78	0.55
J&K	161	-101	0	144	-126	0	3.73	-0.90	2.83
CHD	0	0	0	0	-80	0	0.00	-0.50	-0.50
Rajasthan	-5	615	0	-5	230	0	1.62	14.80	16.43
UP	140	0	0	49	0	0	2.10	0.00	2.10
Uttarakhand	196	87	0	196	106	0	4.71	4.24	8.95
Total	**-946**	**650**	**-2**	**-763**	**40**	**0**	**-15.18**	**21.29**	**6.11**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-300	-703	234	128	0	0
Delhi	13	-135	336	-418	0	-2
Haryana	-534	-550	283	-487	0	0
HP	127	-50	197	-684	0	0
J&K	161	144	0	-141	0	0
CHD	0	0	10	-80	0	0
Rajasthan	189	-5	1242	-52	0	0
UP	187	3	0	0	0	0
Uttarakhand	196	196	430	4	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 28.10.2015 :
Normal.

XIV. Synchronisation of new generating units :

XV. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
80MVAR B/R at 400kV Rampur first time charged at 1804 Hrs.

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :

Report for : 28.10.2015

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER