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 23.10.2015
Date of Reporting : 24.10.2015

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
40446	808	41254	50.12	32315	777	33092	50.12	874.0	27.83

* 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	45.88	11.29		57.17	48.01	48.03	0.03	105.20	0.00
Haryana	65.02	0.29		65.31	57.24	56.32	-0.92	121.63	0.00
Rajasthan	132.28	4.59	6.51	143.38	67.73	68.04	0.32	211.42	0.00
Delhi	14.07			14.07	60.81	58.40	-2.40	72.47	0.06
UP	144.60	9.60		154.20	113.77	110.71	-3.05	264.91	18.78
Uttarakhand		12.56		12.56	18.51	20.11	1.60	32.67	0.00
HP		7.56		7.56	15.48	16.33	0.85	23.89	0.00
J & K		8.47	0.00	8.47	28.53	29.64	1.11	38.10	8.99
Chandigarh				0.00	4.07	3.70	0.27	3.70	0.00
Total	**401.84**	**54.36**	**6.51**	**462.71**	**414.13**	**411.29**	**-2.20**	**874.00**	**27.83**

* 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	4922	0	-338	-479	3211	0	-90	-494	5162
Haryana	6541	0	-388	-354	3579	0	276	-424	6682
Rajasthan	8826	0	18	610	8989	0	171	901	9524
Delhi	3755	0	23	309	2474	0	-130	-137	3755
UP	11573	370	-297	65	10725	530	-137	148	12144
Uttarakhand	1691	0	59	288	1113	0	29	319	1691
HP	1185	0	40	-435	718	0	106	4	1248
J&K	1754	438	-70	171	1399	247	-10	245	2115
Chandigarh	200	0	-28	-35	108	0	-6	0	200
Total	**40446**	**808**	**-982**	**140**	**32315**	**777**	**209**	**562**	**41187**

* 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	1800	2070	1606	42.88	1787	42.31	0.57
	Rihand I STPS (2*500)	1000	869	718	912	19.39	808	19.50	-0.11
	Rihand II STPS (2*500)	1000	841	651	835	18.30	763	18.45	-0.15
	Rihand III STPS (2*500)	1000	480	361	406	10.41	434	10.58	-0.18
	Dadri I STPS (4*210)	840	800	155	151	4.03	168	4.05	-0.02
	Dadri II STPS (2*490)	980	970	650	660	15.71	655	16.36	-0.65
	Unchahar I TPS (2*210)	420	200	143	129	3.11	130	3.65	-0.54
	Unchahar II TPS (2*210)	420	199	139	135	3.10	129	3.55	-0.45
	Unchahar III TPS (1*220)	210	200	129	130	3.03	126	3.57	-0.54
	ISTPP (Jhajjhar) (3*500)	1500	1337	632	637	15.11	630	15.40	-0.29
	Dadri GPS (4*130.19+2*154.51)	830	607	453	448	10.67	444	10.80	-0.13
	Anta GPS (3*88.71+1*153.2)	419	409	-1	-1	0.00	0	0.00	0.00
	Auraiya GPS (4*111.19+2*109.30)	663	619	263	264	6.00	250	6.11	-0.12
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	3	0	0	0.01	1	0.06	-0.05
	Singrauli Solar	15	3	0	0	0.00	0	0.08	-0.08
	KHEP	800	865	550	0	4.29	179	4.23	0.06
	Sub Total (A)	**12112**	**10203**	**6913**	**6312**	**156**	**6502**	**159**	**-3**
B. NPC	NAPS (2*220)	440	390	434	442	9.58	399	9.36	0.22
	RAPS- B (2*220)	440	395	439	437	9.45	394	9.48	-0.03
	RAPS- C (2*220)	440	400	445	444	9.53	397	7.65	1.87
	Sub Total (B)	**1320**	**1185**	**1318**	**1323**	**28.56**	**1190**	**26.49**	**2.07**
C. NHPC	Chamera I HPS (3*180)	540	540	539	0	4.67	195	4.54	0.14
	Chamera II HPS (3*100)	300	300	302	0	2.38	99	2.25	0.13
	Chamera III HPS (3*77)	231	229	225	0	1.45	61	1.38	0.07
	Bairasuil HPS(3*60)	180	179	172	0	0.79	33	0.72	0.07
	Salal-HPS (6*115)	690	249	419	200	6.72	280	6.01	0.71
	Tanakpur-HPS (3*40)	94	44	40	50	1.14	47	1.06	0.08
	Uri-I HPS (4*120)	480	311	351	270	7.67	319	7.41	0.26
	Uri-II HPS (4*60)	240	178	200	240	4.27	178	4.28	0.00
	Dhauliganga-HPS (4*70)	280	280	280	0	1.71	71	1.68	0.02
	Dulhasti-HPS (3*130)	390	387	116	397	6.77	282	6.67	0.10
	Sewa-II HPS (3*40)	120	119	108	0	0.70	29	0.65	0.05
	Parbati 3 (4*130)	520	260	115	0	0.81	34	0.78	0.03
	Sub Total (C)	**4065**	**3076**	**2867**	**1157**	**39**	**1628**	**37**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1393	0	13.35	556	13.27	0.07
	Rampur HEP (6*68.67)	412	360	372	0	3.73	155	3.60	0.13
	Sub Total (D)	**1912**	**1965**	**1765**	**0**	**17.08**	**711**	**16.87**	**0.20**
E. THDC	Tehri HPS (4*250)	1000	1080	915	0	5.76	240	5.50	0.26
	Koteshwar HPS (4*100)	400	92	102	90	2.19	91	2.20	-0.01
	Sub Total (E)	**1400**	**1172**	**1017**	**90**	**7.96**	**331**	**7.70**	**0.26**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	558	1044	368	13.85	577	13.40	0.45
	Dehar HPS (6*165)	990	212	660	140	5.19	216	5.09	0.10
	Pong HPS (6*66)	396	263	318	132	6.21	259	6.32	-0.11
	Sub Total (F)	**2765**	**1034**	**2022**	**640**	**25.26**	**1052**	**24.81**	**0.45**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	96	42	0.85	35	0.82	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	805	250	7.20	300	7.20	0.00
	Malana Stg-II HPS (2*50)	100	0	100	0	0.34	14	0.33	0.00
	Shree Cement TPS (2*150)	300	0	260	258	6.09	254	6.17	-0.08
	Budhil HPS(IPP) (2*35)	70	0	76	0	0.30	12	0.30	-0.01
	Sub Total (G)	1662	0	1336	550	14.77	615	14.82	-0.05
H. Total Regional Entities (A-G)		**25237**	**18635**	**17238**	**10072**	**288.75**	**12031**	**286.84**	**1.92**

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	320	320	7.67	320
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.04	85
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	206	204	4.74	198
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	705	701	21.64	902
	Talwandi Saboo (2*660)	1320	363	330	9.78	408
	Thermal (Total)	**5360**	**1684**	**1645**	**45.88**	**1912**
	Total Hydro	1000	455	462	11.29	470
	Total Punjab	**6360**	**2139**	**2107**	**57.17**	**2382**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	443	436	10.43	435
	DCRTPP (Yamuna nagar) (2*300)	600	481	453	11.53	480
	Faridabad GPS (NTPC)	432	351	296	7.12	297
	RGTPP (khedar) (IPP) (2*600)	1200	901	375	14.70	613
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	917	740	21.24	885
	Thermal (Total)	**4944**	**3093**	**2300**	**65.02**	**2709**
	Total Hydro	62	10	14	0.29	12
	Total Haryana	**5006**	**3103**	**2314**	**65.31**	**2721**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1032	1110	24.95	1039
	suratgarh TPS (6*250)	1500	1085	1020	24.71	1029
	Chabra TPS (4*250)	1000	207	225	5.07	211
	Dholpur GPS (3*110)	330	0	0	0.00	0
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	196	197	4.58	191
	RAPS A (NPC) (1*100+1*200)	300	157	159	3.90	163
	Barsingsar (NLC) (2*125)	250	157	159	3.92	163
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	599	597	13.82	576
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	958	1166	24.34	1014
	Kawai(Adani) (2*660)	1320	1168	1154	27.00	1125
	Thermal (Total)	**8876**	**5559**	**5787**	**132**	**5512**
	Total Hydro	550	253	133	4.59	191
	Wind power	3214	63	32	3.18	132
	Biomass	99	0	0	0.67	28
	Solar	730	0	0	2.67	111
	Renewable/Others (Total)	4043	63	32	6.51	271
	Total Rajasthan	**13469**	**5875**	**5952**	**143.38**	**5974**
UP	Anpara TPS (3*210+2*500)	1630	1382	1388	32.70	1363
	Obra TPS (2*50+2*94+5*200)	1194	450	354	16.60	692
	Paricha TPS (2*110+2*220+2*250)	1140	616	610	14.60	608
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	516	522	12.50	521
	Tanda TPS (NTPC) (4*110)	440	383	376	8.80	367
	Roza TPS (IPP) (4*300)	1200	1107	837	23.10	963
	Anpara-C (IPP) (2*600)	1200	1080	1082	25.90	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	283	403	8.00	333
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	0	0	0.00	0
	Thermal (Total)	**9289**	**5817**	**5572**	**142**	**5925**
	Vishnuparyag HPS (IPP)(4*110)	440	172	172	4.10	171
	Alaknanada(4*82.5)	330	111	144	2.50	104
	Other Hydro	527	159	107	3.00	125
	Cogeneration	981	100	100	2.40	100
	Total UP	**11567**	**6359**	**6095**	**154**	**6425**
Uttarakhand	Total Hydro	1398	604	507	12.56	523
	Total Uttarakhand	**1398**	**604**	**507**	**12.56**	**523**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.01	0
	Delhi Gas Turbine (6x30 + 3x34)	282	37	36	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	152	154	3.68	153
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	252	249	5.98	249
	Badarpur TPS (NTPC) (3*95+2*210)	705	161	153	3.48	145
	Thermal (Total)	2917	601	592	14.07	586
	Total Delhi	**2917**	**601**	**592**	**14.07**	**586**
HP	Baspa HPS (IPP) (3*100)	300	31	102	1.97	82
	Malana HPS (IPP) (2*43)	86	82	0	0.40	17
	Other Hydro	878	220	210	5.20	217
	Total HP	**1264**	**333**	**312**	**7.56**	**315**
J & K	Baglihar HPS (IPP) (3*150)	450	240	240	6.12	255
	Other Hydro/IPP	560	110	91	2.35	98
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**350**	**331**	**8.47**	353
Total State Control Area Generation		**43181**	**19364**	**18210**	**462.71**	**19280**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5427**	**5208**	**135.79**	**5658**
Total Regional Availability(Gross)		**68418**	**42029**	**33490**	**887.25**	**36969**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9221**	**2179**	**102.04**	**4252**
State Control Area Hydro	**6581**	**2447**	**2182**	**54**	**2265**
Total Regional Hydro	**18815**	**11668**	**4361**	**156.40**	**6516**

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)	-100	-100	0	100	0.00	2.46	-2.46
765 KV Gwalior-Agra (D/C)	1890	1794	2377	0	45.70	0.00	45.70
400 KV Zerda-Kankroli	-67	-92	0	161	0.00	1.99	-1.99
400 KV Zerda-Bhinmal	-36	-11	69	147	0.00	0.30	-0.30
220 KV Auraiya-Malanpur	-83	-124	0	134	0.00	2.34	-2.34
220 KV Badod-Kota/Morak	-53	-110	0	153	0.00	2.43	-2.43
Mundra-Mohindergarh(HVDC Bipole)	1902	1902	1907	0	44.90	0.00	44.90
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	633	480	877	0	15.40	0.00	15.40
Sub Total WR	**4086**	**3739**			**106.00**	**9.52**	**96.48**
Pusauli Bypass/HVDC	400	400	400	0	8.98	0.00	8.98
400 KV MZP- GKP (D/C)	106	220	420	0	5.76	0.00	5.76
400 KV Patna-Balia(D/C) X 2	210	233	432	0	8.01	0.00	8.01
400 KV B'Sharif-Balia (D/C)	11	44	233	0	2.31	0.00	2.31
765 KV Gaya-Balia	64	71	204	0	1.32	0.00	1.32
765 KV Gaya-Fatehpur	73	76	268	0	3.57	0.00	3.57
220 KV Pusauli-Sahupuri	177	144	177	0	3.44	0.00	3.44
132 KV K'nasa-Sahupuri	0	0	0	0	0.96	0.00	0.96
132 KV Son Ngr-Rihand	-14	-28	0	35	0.00	0.46	-0.46
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	94	80	122	135	0.04	0.00	0.04
400 KV Barh -GKP (D/C)	220	229	274	0	5.39	0.00	5.39
Sub Total ER	**1341**	**1469**			**39.78**	**0.46**	**39.31**
+/- 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	**5427**	**5208**			**145.77**	**9.98**	**135.79**

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
37.48	1.69	39.17	2.59	-22.12	9.11	23.07	1.49	-1.49

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
52.36	87.89	140.25	39.31	96.48	135.79	-13.04	8.59	-4.46

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	0.00	3.63	45.74	71.54	19.64	5.00	0.24	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)
50.22	18.02	49.82	18.11	50.01	0.037	0.060	50.20	50.00

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	403	22:35	399	18:38	0.0	0.0	0.0	0.0
Gorakhpur	400	419	13:24	408	09:43	0.0	0.0	0.0	0.0
Bareilly	400	416	02:46	400	18:10	0.0	0.0	0.0	0.0
Kanpur	400	411	03:02	405	18:26	0.0	0.0	0.9	0.0
Dadri	400	422	01:36	403	18:23	0.0	0.0	12.2	0.0
Ballabhgarh	400	428	02:47	406	18:25	0.0	0.0	30.8	0.0
Bawana	400	425	01:36	406	18:22	0.0	0.0	23.6	0.0
Bassi	400	425	21:32	400	11:11	0.0	0.0	6.5	0.0
Hissar	400	420	01:11	401	11:14	0.0	0.0	0.0	0.0
Moga	400	424	01:06	404	11:25	0.0	0.0	7.2	0.0
Abdullapur	400	424	02:48	404	18:21	0.0	0.0	13.5	0.0
Nalagarh	400	437	01:22	410	18:46	0.0	0.0	43.4	16.4
Kishenpur	400	425	01:09	400	19:13	0.0	0.0	19.9	0.0
Wagoora	400	411	03:45	383	19:26	0.0	15.3	0.0	0.0
Amritsar	400	429	01:13	405	11:24	0.0	0.0	21.1	0.0
Kashipur	400	419	02:43	411	18:09	0.0	0.0	0.0	0.0
Hamirpur	400	428	01:18	401	11:14	0.0	0.0	32.9	0.0
Rishikesh	400	414	02:47	388	18:41	0.0	3.2	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	776	04:04	750	18:26	0.0	0.0	0.0	0.0
Balia	765	774	13:17	756	19:15	0.0	0.0	0.0	0.0
Moga	765	807	01:14	772	08:20	0.0	0.0	5.0	0.0
Agra	765	792	04:02	763	11:23	0.0	0.0	0.0	0.0
Bhiwani	765	805	01:15	774	11:10	0.0	0.0	17.1	0.0
Unnao	765	762	03:03	739	18:25	0.0	4.1	0.0	0.0
Lucknow	765	776	04:03	755	18:11	0.0	0.0	0.0	0.0
Meerut	765	811	01:11	776	11:14	0.0	0.0	29.0	0.0
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Bareilly	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	784	21:30	762	10:35	0.0	0.0	0.0	0.0
Phagi	765	792	21:23	756	11:12	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	509.78	1530.03	507.90	1440.82	248.40	375.14
Pong	426.72	384.05	419.23	848.35	414.62	656.23	81.75	371.63
Tehri	829.79	740.04	818.90	980.00	824.10	1086.79	82.53	130.00
Koteshwar	612.50	598.50	610.58	4.95	608.96	3.98	130.00	144.63
Chamera-I	760.00	748.75	759.13	0.00	0.00	0.00	99.37	126.63
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	511.99	3.87	510.77	2.82	76.28	147.13

*** 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	-705	210	0	-700	221	0	-13.59	5.17	-8.42
Delhi	-246	109	0	-120	429	0	-4.45	7.29	2.84
Haryana	-548	124	0	-548	194	0	-13.76	3.39	-10.37
HP	-50	54	0	127	-562	0	1.34	-1.88	-0.55
J&K	245	0	0	121	50	0	5.06	1.00	6.06
CHD	0	0	0	0	-35	0	0.00	0.29	0.29
Rajasthan	-5	904	2	-5	614	2	1.63	20.05	21.68
UP	148	0	0	65	0	0	2.08	0.00	2.08
Uttarakhand	197	123	0	197	91	0	4.72	3.69	8.41
Total	**-964**	**1524**	**2**	**-863**	**1001**	**2**	**-16.98**	**39.01**	**22.03**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-297	-705	261	151	0	0
Delhi	-120	-271	639	-10	0	0
Haryana	-548	-649	205	-222	0	0
HP	127	-50	124	-690	0	0
J&K	270	121	124	-15	0	0
CHD	0	0	64	-50	0	0
Rajasthan	190	-5	1383	500	2	2
UP	212	-7	0	0	0	0
Uttarakhand	197	197	355	3	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 23.10.2015 :
Normal.

XIV. Synchronisation of new generating units :

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

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :

Report for : 23.10.2015

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER