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 30.10.2015
Date of Reporting : 31.10.2015

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
36955	1450	38405	50.15	27797	254	28051	50.11	772.4	31.84

* 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	37.62	10.34		47.95	49.08	48.44	-0.64	96.40	0.00
Haryana	52.61	0.42		53.03	60.25	59.71	-0.54	112.74	0.00
Rajasthan	114.87	5.37	12.87	133.11	59.64	61.19	1.55	194.30	0.00
Delhi	7.89			7.89	56.97	55.42	-1.55	63.31	0.02
UP	90.84	7.70		98.54	108.14	107.22	-0.91	205.77	22.64
Uttarakhand		9.57		9.57	21.94	23.12	1.18	32.69	0.00
HP		6.69		6.69	17.07	18.19	1.12	24.88	0.00
J & K		10.06	0.00	10.06	28.74	28.91	0.17	38.97	9.18
Chandigarh				0.00	3.72	3.40	0.27	3.40	0.00
Total	**303.83**	**50.15**	**12.87**	**366.85**	**405.54**	**405.59**	**0.64**	**772.44**	**31.84**

* 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	4352	0	-158	-429	3291	0	-101	-406	4662
Haryana	6348	0	-93	-311	3574	0	37	-282	6348
Rajasthan	8480	0	-190	-93	7642	0	-57	622	8904
Delhi	3361	0	-1	86	1828	0	-80	-531	3361
UP	9618	990	-31	35	8054	0	-134	125	9878
Uttarakhand	1683	0	88	299	1105	0	20	293	1683
HP	1093	0	14	-392	766	0	50	128	1104
J&K	1841	460	-60	53	1439	254	53	179	1947
Chandigarh	178	0	-26	-80	97	0	-12	0	178
Total	**36955**	**1450**	**-457**	**-832**	**27797**	**254**	**-224**	**128**	**36955**

* 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	1900	1800	1821	43.43	1809	42.95	0.48
	Rihand I STPS (2*500)	1000	875	683	659	17.39	725	17.38	0.01
	Rihand II STPS (2*500)	1000	963	727	708	18.81	784	18.52	0.29
	Rihand III STPS (2*500)	1000	447	406	348	9.33	389	8.99	0.34
	Dadri I STPS (4*210)	840	810	141	138	3.48	145	3.52	-0.04
	Dadri II STPS (2*490)	980	980	658	689	15.50	646	16.27	-0.77
	Unchahar I TPS (2*210)	420	400	311	277	6.60	275	6.75	-0.15
	Unchahar II TPS (2*210)	420	400	273	264	6.05	252	6.72	-0.68
	Unchahar III TPS (1*220)	210	200	145	128	3.09	129	3.36	-0.27
	ISTPP (Jhajjhar) (3*500)	1500	1436	640	634	14.82	618	14.65	0.18
	Dadri GPS (4*130.19+2*154.51)	830	688	299	295	6.98	291	7.07	-0.08
	Anta GPS (3*88.71+1*153.2)	419	414	196	-1	1.41	59	1.80	-0.39
	Auraiya GPS (4*111.19+2*109.30)	663	652	200	205	4.73	197	4.71	0.02
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	3	0	0	0.03	1	0.06	-0.03
	Singrauli Solar	15	1	0	0	0.05	2	0.04	0.01
	KHEP	800	650	555	0	4.41	184	4.20	0.21
	Sub Total (A)	**12112**	**10820**	**7034**	**6165**	**156**	**6505**	**157**	**-1**
B. NPC	NAPS (2*220)	440	403	431	455	9.71	404	9.67	0.03
	RAPS- B (2*220)	440	400	441	449	9.64	402	9.60	0.04
	RAPS- C (2*220)	440	410	453	454	9.80	408	9.84	-0.04
	Sub Total (B)	**1320**	**1213**	**1325**	**1358**	**29.14**	**1214**	**29.11**	**0.03**
C. NHPC	Chamera I HPS (3*180)	540	540	205	0	1.70	71	1.62	0.08
	Chamera II HPS (3*100)	300	300	300	0	2.31	96	2.31	0.00
	Chamera III HPS (3*77)	231	229	226	0	1.25	52	1.18	0.07
	Bairasuil HPS(3*60)	180	179	174	0	1.01	42	0.97	0.05
	Salal-HPS (6*115)	690	225	450	120	6.50	271	5.43	1.07
	Tanakpur-HPS (3*40)	94	39	35	36	1.00	42	0.93	0.07
	Uri-I HPS (4*120)	480	422	430	467	10.72	447	10.11	0.61
	Uri-II HPS (4*60)	240	237	242	238	5.71	238	5.69	0.02
	Dhauliganga-HPS (4*70)	280	280	216	0	1.38	58	1.23	0.15
	Dulhasti-HPS (3*130)	390	387	398	115	5.24	218	4.96	0.28
	Sewa-II HPS (3*40)	120	119	123	0	0.69	29	0.65	0.04
	Parbati 3 (4*130)	520	260	261	0	0.81	34	0.59	0.22
	Sub Total (C)	**4065**	**3216**	**3059**	**976**	**38**	**1597**	**36**	**3**
D.SJVNL	NJPC (6*250)	1500	1605	1597	0	11.85	494	11.78	0.07
	Rampur HEP (6*68.67)	412	432	441	0	3.36	140	3.27	0.09
	Sub Total (D)	**1912**	**2037**	**2038**	**0**	**15.22**	**634**	**15.06**	**0.16**
E. THDC	Tehri HPS (4*250)	1000	1080	1038	0	8.72	363	8.40	0.32
	Koteshwar HPS (4*100)	400	92	100	91	2.23	93	2.20	0.03
	Sub Total (E)	**1400**	**1172**	**1138**	**91**	**10.95**	**456**	**10.60**	**0.35**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	525	1060	386	13.12	547	12.60	0.52
	Dehar HPS (6*165)	990	213	660	145	5.10	213	5.10	0.00
	Pong HPS (6*66)	396	192	318	132	4.61	192	4.62	0.00
	Sub Total (F)	**2765**	**930**	**2038**	**663**	**22.84**	**952**	**22.32**	**0.52**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	73	0	0.80	33	0.77	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	700	0	6.08	253	6.24	-0.16
	Malana Stg-II HPS (2*50)	100	0	0	0	0.32	13	0.30	0.02
	Shree Cement TPS (2*150)	300	0	229	208	5.18	216	5.06	0.12
	Budhil HPS(IPP) (2*35)	70	0	75	0	0.32	13	0.30	0.02
	Sub Total (G)	1662	0	1076	208	12.70	529	12.67	0.03
H. Total Regional Entities (A-G)		**25237**	**19388**	**17709**	**9461**	**285.30**	**11887**	**282.43**	**2.86**

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	3.62	151
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	160	170	3.89	162
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	191	190	4.27	178
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	345	347	9.45	394
	Talwandi Saboo (2*660)	1320	965	680	16.39	683
	Thermal (Total)	**5360**	**1821**	**1547**	**37.62**	**1567**
	Total Hydro	1000	385	447	10.34	431
	Total Punjab	**6360**	**2206**	**1994**	**47.95**	**1998**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	225	2.84	118
	DCRTPP (Yamuna nagar) (2*300)	600	554	456	11.40	475
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1123	752	19.75	823
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1103	741	18.62	776
	Thermal (Total)	**4944**	**2780**	**2174**	**52.61**	**2192**
	Total Hydro	62	17	14	0.42	18
	Total Haryana	**5006**	**2797**	**2188**	**53.03**	**2210**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1002	987	24.16	1007
	suratgarh TPS (6*250)	1500	221	221	5.37	224
	Chabra TPS (4*250)	1000	372	392	8.89	370
	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	210	11	5.23	218
	RAPS A (NPC) (1*100+1*200)	300	160	161	3.98	166
	Barsingsar (NLC) (2*125)	250	186	185	4.33	181
	Giral LTPS (2*125)	250	61	77	1.34	56
	Rajwest LTPS (IPP) (8*135)	1080	837	446	15.71	654
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	1004	900	22.29	929
	Kawai(Adani) (2*660)	1320	961	837	23.58	983
	Thermal (Total)	**8876**	**5014**	**4217**	**115**	**4786**
	Total Hydro	550	159	203	5.37	224
	Wind power	3214	383	644	9.29	387
	Biomass	99	31	31	0.73	31
	Solar	730	0	0	2.85	119
	Renewable/Others (Total)	4043	414	675	12.87	536
	Total Rajasthan	**13469**	**5587**	**5095**	**133.11**	**5546**
UP	Anpara TPS (3*210+2*500)	1630	1269	1177	29.30	1221
	Obra TPS (2*50+2*94+5*200)	1194	441	469	10.80	450
	Paricha TPS (2*110+2*220+2*250)	1140	636	545	14.00	583
	Panki TPS (2*105)	210	54	63	1.30	54
	Harduaganj TPS (1*60+1*105+2*250)	665	515	392	10.60	442
	Tanda TPS (NTPC) (4*110)	440	125	135	3.34	139
	Roza TPS (IPP) (4*300)	1200	194	195	5.00	208
	Anpara-C (IPP) (2*600)	1200	648	648	15.30	638
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	29	29	0.60	25
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	0	0	0.00	0
	Thermal (Total)	**9289**	**3911**	**3653**	**90**	**3760**
	Vishnuparyag HPS (IPP)(4*110)	440	147	137	3.20	133
	Alaknanada(4*82.5)	330	85	83	2.20	92
	Other Hydro	527	136	69	2.30	96
	Cogeneration	981	25	25	0.60	25
	Total UP	**11567**	**4304**	**3967**	**99**	**4106**
Uttarakhand	Total Hydro	1398	483	367	9.57	399
	Total Uttarakhand	**1398**	**483**	**367**	**9.57**	**399**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	36	35	0.91	38
	Pragati Gas Turbine (2x104+ 1x122)	330	149	137	3.60	150
	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	162	158	3.50	146
	Thermal (Total)	2917	342	325	7.89	329
	Total Delhi	**2917**	**342**	**325**	**7.89**	**329**
HP	Baspa HPS (IPP) (3*100)	300	62	31	1.72	71
	Malana HPS (IPP) (2*43)	86	45	0	0.35	14
	Other Hydro	878	204	191	4.63	193
	Total HP	**1264**	**311**	**222**	**6.69**	**279**
J & K	Baglihar HPS (IPP) (3*150)	450	379	290	7.72	322
	Other Hydro/IPP	560	109	91	2.35	98
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**488**	**381**	**10.06**	419
Total State Control Area Generation		**43181**	**16518**	**14539**	**366.85**	**15285**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**4743**	**5667**	**140.98**	**5874**
Total Regional Availability(Gross)		**68418**	**38970**	**29667**	**793.12**	**33047**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9601**	**1730**	**98.93**	**4122**
State Control Area Hydro	**6581**	**2211**	**1923**	**50**	**2090**
Total Regional Hydro	**18815**	**11812**	**3653**	**149.08**	**6212**

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)	-250	-250	0	250	0.00	6.09	-6.09
765 KV Gwalior-Agra (D/C)	1909	1784	2790	0	48.60	0.00	48.60
400 KV Zerda-Kankroli	-182	-106	41	292	0.00	2.58	-2.58
400 KV Zerda-Bhinmal	-148	-31	183	297	0.00	0.96	-0.96
220 KV Auraiya-Malanpur	-72	-61	0	94	0.00	1.37	-1.37
220 KV Badod-Kota/Morak	-83	-137	0	183	0.00	3.39	-3.39
Mundra-Mohindergarh(HVDC Bipole)	1900	1350	1906	0	41.24	0.00	41.24
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	706	733	1068	0	18.76	0.00	18.76
Sub Total WR	**3780**	**3282**			**108.60**	**14.38**	**94.22**
Pusauli Bypass/HVDC	400	400	400	0	8.96	0.00	8.96
400 KV MZP- GKP (D/C)	-430	-76	170	490	0.00	2.70	-2.70
400 KV Patna-Balia(D/C) X 2	138	200	416	0	7.21	0.00	7.21
400 KV B'Sharif-Balia (D/C)	-286	-83	15	286	0.00	2.56	-2.56
765 KV Gaya-Balia	-31	135	182	31	1.32	0.00	1.32
765 KV Gaya-Fatehpur	-153	-43	179	162	0.29	0.00	0.29
220 KV Pusauli-Sahupuri	83	90	111	0	2.24	0.00	2.24
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-34	-6	0	36	0.00	0.45	-0.45
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	68	220	368	0	4.12	0.00	4.12
400 KV Barh -GKP (D/C)	258	348	372	0	7.68	0.00	7.68
Sub Total ER	**13**	**1185**			**32.29**	**5.70**	**26.59**
+/- 800 KV BiswanathCharialli-Agra	950	1200	1500	0	20.17	0.00	20.17
Sub Total NER	**950**	**1200**			**20.17**	**0.00**	**20.17**
Total IR Exch	**4743**	**5667**			**161.06**	**20.08**	**140.98**

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
26.94	1.31	28.26	2.96	-19.61	12.12	9.45	1.35	-1.35

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
44.69	93.17	137.86	26.59	94.22	120.81	-18.10	1.06	-17.04

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	0.24	10.34	49.58	65.84	18.08	5.63	0.20	0.00

<------------------------- Frequency (Hz) ------------------------->				Average Frequency	Frequency Variation	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX	MIN
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)
50.22	13.00	49.77	18.09	50.00	0.050	0.071	50.19	49.96

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	410	23:43	400	09:10	0.0	0.0	0.0	0.0
Gorakhpur	400	420	13:06	406	18:07	0.0	0.0	0.0	0.0
Bareilly	400	416	02:01	398	18:08	0.0	0.0	0.0	0.0
Kanpur	400	411	02:29	404	18:11	0.0	0.0	0.0	0.0
Dadri	400	423	01:56	404	18:11	0.0	0.0	13.9	0.0
Ballabhgarh	400	428	01:59	405	18:23	0.0	0.0	36.1	0.0
Bawana	400	426	02:03	404	18:23	0.0	0.0	28.3	0.0
Bassi	400	425	21:50	399	08:49	0.0	0.0	8.0	0.0
Hissar	400	420	21:48	399	18:23	0.0	0.0	0.0	0.0
Moga	400	423	01:29	403	18:24	0.0	0.0	15.1	0.0
Abdullapur	400	425	21:46	403	18:23	0.0	0.0	21.4	0.0
Nalagarh	400	431	02:16	408	18:21	0.0	0.0	34.0	0.7
Kishenpur	400	427	02:02	398	18:21	0.0	0.0	15.9	0.0
Wagoora	400	406	02:11	376	18:34	6.2	28.0	0.0	0.0
Amritsar	400	428	01:37	408	18:23	0.0	0.0	31.0	0.0
Kashipur	400	419	02:27	410	18:07	0.0	0.0	0.0	0.0
Hamirpur	400	425	02:33	401	18:41	0.0	0.0	7.2	0.0
Rishikesh	400	410	23:51	386	18:11	0.0	3.5	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	771	02:03	742	18:09	0.0	0.0	0.0	0.0
Balia	765	775	03:41	752	18:10	0.0	0.0	0.0	0.0
Moga	765	799	02:26	762	18:23	0.0	0.0	0.0	0.0
Agra	765	793	02:28	757	18:23	0.0	0.0	0.0	0.0
Bhiwani	765	798	01:14	764	18:23	0.0	0.0	0.0	0.0
Unnao	765	760	13:18	736	18:08	0.0	5.6	0.0	0.0
Lucknow	765	778	02:30	751	18:10	0.0	0.0	0.0	0.0
Meerut	765	800	02:29	761	18:39	0.0	0.0	0.0	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	781	20:34	763	07:46	0.0	0.0	0.0	0.0
Phagi	765	792	20:56	759	18:24	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	509.43	1515.08	507.22	1411.35	228.86	344.56
Pong	426.72	384.05	418.64	821.34	413.83	633.63	70.62	274.31
Tehri	829.79	740.04	817.80	958.25	823.60	1078.33	76.11	197.00
Koteshwar	612.50	598.50	610.45	4.69	608.77	3.99	197.00	147.02
Chamera-I	760.00	748.75	756.72	0.00	0.00	0.00	74.46	46.31
Rihand	268.22	252.98	850.80	268.30	853.80	318.10	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	511.44	3.64	510.12	0.84	61.52	177.74

*** 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	-695	288	0	-700	272	0	-13.46	6.88	-6.58
Delhi	-262	-269	0	57	30	0	-2.00	0.98	-1.02
Haryana	-544	262	0	-544	233	0	-13.05	3.60	-9.45
HP	-50	178	0	127	-518	0	1.33	-0.87	0.45
J&K	179	0	0	179	-126	0	4.38	-0.28	4.10
CHD	0	0	0	0	-80	0	0.00	-0.18	-0.18
Rajasthan	-5	627	0	-5	-88	0	1.62	13.12	14.75
UP	125	0	0	35	0	0	1.66	0.00	1.66
Uttarakhand	196	97	0	196	102	0	4.71	4.04	8.75
Total	**-1055**	**1183**	**0**	**-656**	**-176**	**0**	**-14.80**	**27.28**	**12.48**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-295	-700	314	223	0	0
Delhi	82	-262	366	-281	0	0
Haryana	-544	-544	270	-251	0	0
HP	127	-50	178	-646	0	0
J&K	194	154	0	-141	0	0
CHD	0	0	15	-80	0	0
Rajasthan	189	-5	704	-159	0	0
UP	171	-12	0	0	0	0
Uttarakhand	196	196	398	-63	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 30.10.2015 :
Normal.

XIV. Synchronisation of new generating units :

1. Sorang unit-I (50 MW) first time synchonised at 11:41 hrs. dated 30.10.2015
2. Bara unit-I (660 MW) first time synchronised at 03:37 hrs. dated 31.10.2015, Picked up generation upto 38 MW and tripped at 03:41 hrs. of dt. 31.10.2015

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

1. 400 kV Hissar- Bhiwani ckt-2 & ckt-3 first time charged at 07:11 hrs. & 06:33 hrs respectively on dt. 31.10.2015

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :

Report for : 30.10.2015 **पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER**