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 28.11.2015
Date of Reporting : 29.11.2015

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
37646	1844	39490	50.05	28567	987	29554	50.07	788.6	45.06

* 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	37.75	7.44		45.19	45.66	45.93	0.27	91.12	0.00
Haryana	44.98	0.32		45.30	60.21	60.00	-0.21	105.30	0.00
Rajasthan	120.05	4.68	7.84	132.57	73.85	74.68	0.84	207.26	0.00
Delhi	13.36			13.36	42.28	42.58	0.29	55.93	0.01
UP	110.21	4.90		115.11	111.75	111.78	0.03	226.89	34.90
Uttarakhand		6.42		6.42	25.74	26.24	0.49	32.65	0.24
HP		5.00		5.00	18.49	19.43	0.94	24.43	0.09
J & K		5.79	0.00	5.79	34.50	35.97	1.47	41.76	9.83
Chandigarh				0.00	3.22	3.23	0.27	3.23	0.00
Total	**326.35**	**34.56**	**7.84**	**368.74**	**415.70**	**419.83**	**4.40**	**788.57**	**45.06**

* 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	4022	0	38	-332	2814	0	126	-397	4765
Haryana	6127	0	-204	-212	3090	0	-96	15	6127
Rajasthan	9318	0	-44	560	7937	0	189	635	9853
Delhi	2980	0	-15	-126	1562	0	122	-1032	2993
UP	10228	1290	-64	-278	9556	700	-125	109	10228
Uttarakhand	1660	75	-16	410	1144	0	53	449	1673
HP	1230	0	-20	74	749	0	81	191	1328
J&K	1914	479	23	310	1628	287	34	437	1930
Chandigarh	167	0	-30	-25	87	0	3	-30	179
Total	**37646**	**1844**	**-332**	**381**	**28567**	**987**	**387**	**379**	**37646**

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

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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	1865	2056	1904	45.17	1882	44.17	1.00
	Rihand I STPS (2*500)	1000	855	791	768	18.94	789	18.98	-0.05
	Rihand II STPS (2*500)	1000	963	727	759	20.44	852	20.19	0.25
	Rihand III STPS (2*500)	1000	970	770	870	21.72	905	21.55	0.17
	Dadri I STPS (4*210)	840	610	137	137	3.59	150	3.64	-0.05
	Dadri II STPS (2*490)	980	980	343	371	9.09	379	9.95	-0.86
	Unchahar I TPS (2*210)	420	406	388	341	7.85	327	8.08	-0.23
	Unchahar II TPS (2*210)	420	404	322	310	7.29	304	7.43	-0.14
	Unchahar III TPS (1*220)	210	202	149	147	3.60	150	3.66	-0.06
	ISTPP (Jhajjhar) (3*500)	1500	1500	819	614	15.77	657	16.07	-0.30
	Dadri GPS (4*130.19+2*154.51)	830	636	441	564	11.17	466	11.49	-0.32
	Anta GPS (3*88.71+1*153.2)	419	419	192	204	4.75	198	4.94	-0.19
	Auraiya GPS (4*111.19+2*109.30)	663	655	233	297	5.34	223	5.36	-0.02
	Dadri Solar	5	0	0	0	0.09	4	0.01	0.08
	Unchahar Solar	10	1	0	0	0.01	0	0.02	-0.01
	Singrauli Solar	15	2	0	0	0.03	1	0.04	0.00
	KHEP	800	655	589	0	3.79	158	3.50	0.29
	Sub Total (A)	**12112**	**11123**	**7957**	**7286**	**179**	**7443**	**179**	**0**
B. NPC	NAPS (2*220)	440	198	222	225	4.80	200	4.75	0.05
	RAPS- B (2*220)	440	392	435	440	9.51	396	9.41	0.10
	RAPS- C (2*220)	440	410	459	462	9.95	414	9.84	0.11
	Sub Total (B)	**1320**	**1000**	**1116**	**1127**	**24.25**	**1011**	**24.00**	**0.25**
C. NHPC	Chamera I HPS (3*180)	540	540	367	0	1.87	78	1.62	0.25
	Chamera II HPS (3*100)	300	200	203	0	1.89	79	1.79	0.10
	Chamera III HPS (3*77)	231	229	228	0	0.95	40	0.85	0.10
	Bairasuil HPS(3*60)	180	122	125	0	0.57	24	0.50	0.07
	Salal-HPS (6*115)	690	119	230	0	3.67	153	2.92	0.75
	Tanakpur-HPS (3*40)	94	25	24	30	0.74	31	0.60	0.14
	Uri-I HPS (4*120)	480	266	382	224	6.87	286	6.38	0.49
	Uri-II HPS (4*60)	240	155	221	241	3.93	164	3.72	0.21
	Dhauliganga-HPS (4*70)	280	210	208	0	1.20	50	1.10	0.10
	Dulhasti-HPS (3*130)	390	387	399	0	4.12	172	3.90	0.22
	Sewa-II HPS (3*40)	120	119	125	0	0.46	19	0.37	0.09
	Parbati 3 (4*130)	520	145	133	0	0.81	34	0.48	0.33
	Sub Total (C)	**4065**	**2516**	**2645**	**495**	**27**	**1128**	**24**	**3**
D.SJVNL	NJPC (6*250)	1500	1605	1334	0	9.29	387	9.21	0.08
	Rampur HEP (6*68.67)	412	432	446	0	2.66	111	2.56	0.10
	Sub Total (D)	**1912**	**2037**	**1780**	**0**	**11.95**	**498**	**11.77**	**0.18**
E. THDC	Tehri HPS (4*250)	1000	1048	516	0	6.37	266	6.20	0.17
	Koteshwar HPS (4*100)	400	92	100	90	2.25	94	2.20	0.05
	Sub Total (E)	**1400**	**1140**	**616**	**90**	**8.62**	**359**	**8.40**	**0.22**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	562	1044	368	13.62	567	13.48	0.14
	Dehar HPS (6*165)	990	167	495	0	4.15	173	4.00	0.15
	Pong HPS (6*66)	396	285	318	192	6.73	280	6.83	-0.10
	Sub Total (F)	**2765**	**1013**	**1857**	**560**	**24.50**	**1021**	**24.30**	**0.19**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	112	0	0.60	25	0.58	0.01
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	840	0	5.03	210	5.04	-0.01
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	111	112	2.66	111	2.68	-0.02
	Budhil HPS(IPP) (2*35)	70	0	75	0	0.23	9	0.23	0.00
	Sub Total (G)	1662	0	1138	112	8.51	355	8.53	-0.01
H. Total Regional Entities (A-G)		**25237**	**18829**	**17109**	**9670**	**283.54**	**11814**	**280.34**	**3.19**

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	3.99	166
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	165	90	2.60	108
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.11	-5
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	349	353	11.68	486
	Talwandi Saboo (2*660)	1320	685	670	19.60	817
	Thermal (Total)	**5360**	**1359**	**1273**	**37.75**	**1573**
	Total Hydro	1000	244	253	7.44	310
	Total Punjab	**6360**	**1603**	**1526**	**45.19**	**1883**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	550	461	11.75	489
	Faridabad GPS (NTPC)	432	201	155	3.83	160
	RGTPP (khedar) (IPP) (2*600)	1200	1138	804	20.11	838
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	521	377	9.29	387
	Thermal (Total)	**4944**	**2410**	**1797**	**44.98**	**1874**
	Total Hydro	62	11	9	0.32	13
	Total Haryana	**5006**	**2421**	**1806**	**45.30**	**1887**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1063	848	23.09	962
	suratgarh TPS (6*250)	1500	404	397	9.74	406
	Chabra TPS (4*250)	1000	571	586	14.14	589
	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	204	205	5.03	209
	RAPS A (NPC) (1*100+1*200)	300	160	160	3.97	165
	Barsingsar (NLC) (2*125)	250	186	95	3.27	136
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	966	968	22.52	938
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	463	470	11.58	482
	Kawai(Adani) (2*660)	1320	1124	1147	26.72	1114
	Thermal (Total)	**8876**	**5141**	**4876**	**120**	**5002**
	Total Hydro	550	193	234	4.68	195
	Wind power	3214	308	22	5.41	226
	Biomass	99	16	16	0.38	16
	Solar	730	0	0	2.05	85
	Renewable/Others (Total)	4043	324	38	7.84	327
	Total Rajasthan	**13469**	**5658**	**5148**	**132.57**	**5524**
UP	Anpara TPS (3*210+2*500)	1630	1436	1373	32.90	1371
	Obra TPS (2*50+2*94+5*200)	1194	419	428	9.90	413
	Paricha TPS (2*110+2*220+2*250)	1140	593	516	13.00	542
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	439	216	7.60	317
	Tanda TPS (NTPC) (4*110)	440	182	290	5.81	242
	Roza TPS (IPP) (4*300)	1200	275	275	6.20	258
	Anpara-C (IPP) (2*600)	1200	1085	1083	25.90	1079
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	58	81	1.70	71
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	0	0	0.00	0
	Bara(1*660)	660	0	0	0.00	0
	Thermal (Total)	**9949**	**4487**	**4262**	**103**	**4292**
	Vishnuparyag HPS (IPP)(4*110)	440	108	103	2.50	104
	Alaknanada(4*82.5)	330	63	68	1.50	63
	Other Hydro	527	46	29	0.90	38
	Cogeneration	981	300	300	7.20	300
	Total UP	**12227**	**5004**	**4762**	**115**	**4796**
Uttarakhand	Total Hydro	1398	428	139	6.42	267
	Total Uttarakhand	**1398**	**428**	**139**	**6.42**	**267**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	38	0.92	39
	Pragati Gas Turbine (2x104+ 1x122)	330	153	157	3.76	157
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	249	5.08	212
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.60	150
	Thermal (Total)	2917	607	610	13.36	557
	Total Delhi	**2917**	**607**	**610**	**13.36**	**557**
HP	Baspa HPS (IPP) (3*100)	300	0	31	1.52	63
	Malana HPS (IPP) (2*43)	86	76	0	0.29	12
	Other Hydro	878	186	89	3.20	133
	Total HP	**1264**	**262**	**120**	**5.00**	**208**
J & K	Baglihar HPS (IPP) (3*150)	450	143	142	3.45	144
	Other Hydro/IPP	560	99	99	2.34	98
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**242**	**241**	**5.79**	241
Total State Control Area Generation		**43841**	**16225**	**14352**	**368.74**	**15364**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5161.32**	**6508**	**159.94**	**6664**
Total Regional Availability(Gross)		**69078**	**38495**	**30529**	**812.22**	**33842**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**8439**	**1145**	**81.54**	**3398**
State Control Area Hydro	**6581**	**1597**	**1196**	**35**	**1440**
Total Regional Hydro	**18815**	**10036**	**2341**	**116.10**	**4837**

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)	200	100	350	0	5.04	0.00	5.04
765 KV Gwalior-Agra (D/C)	2260	2148	3121	0	62.78	0.00	62.78
400 KV Zerda-Kankroli	-53	-222	72	251	0.00	1.55	-1.55
400 KV Zerda-Bhinmal	-1	-132	194	220	0.16	0.00	0.16
220 KV Auraiya-Malanpur	76	94	0	103	0.00	1.38	-1.38
220 KV Badod-Kota/Morak	35	22	35	84	0.00	0.10	-0.10
Mundra-Mohindergarh(HVDC Bipole)	1248	2503	2505	0	40.52	0.00	40.52
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	855	812	1273	0	23.12	0.00	23.12
Sub Total WR	**4620**	**5325**			**131.61**	**3.02**	**128.59**
Pusauli Bypass/HVDC	100	-327	100	-381	0.56	5.73	-5.17
400 KV MZP- GKP (D/C)	46	344	502	78	6.96	0.00	6.96
400 KV Patna-Balia(D/C) X 2	322	382	450	0	10.19	0.00	10.19
400 KV B'Sharif-Balia (D/C)	2	166	308	0	4.04	0.00	4.04
765 KV Gaya-Balia	142	195	246	0	2.13	0.00	2.13
765 KV Gaya-Fatehpur	102	147	418	0	5.87	0.00	5.87
220 KV Pusauli-Sahupuri	91	126	174	0	2.81	0.00	2.81
132 KV K'nasa-Sahupuri	0	0	0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-34	-34	0	36	0.00	0.75	-0.75
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-54	144	403	64	4.80	0.00	4.80
400 KV Barh -GKP (D/C)	324	340	450	0	9.08	0.00	9.08
Sub Total ER	**1041**	**1483**			**46.91**	**6.48**	**40.43**
+/- 800 KV BiswanathCharialli-Agra	-500	-300	0	500	0.00	9.07	-9.07
Sub Total NER	**-500**	**-300**			**0.00**	**9.07**	**-9.07**
Total IR Exch	**5161**	**6508**			**178.52**	**18.58**	**159.94**

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
29.29	0.75	30.04	4.02	-13.38	7.86	24.51	5.88	-5.88

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incids Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total
47.80	105.88	153.67	31.35	128.59	159.94	-16.44	22.72	6.27

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	-32	-33	0	34	0	1	-0.74

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	1.66	12.76	63.04	74.02	10.13	3.02	0.12	0.00

<---------- Frequency (Hz) ---------->				Average	Frequency	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum		Frequency	Variation		MAX	MIN
Freq	Time	Freq	Time	Hz	Index		(Hz)	(Hz)
50.22	5.02	49.73	15.46	49.98	0.054	0.070	50.11	0.00

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	404	02:01	398	05:48	0.0	0.0	0.0	0.0
Gorakhpur	400	419	04:03	403	12:18	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	04:02	393	11:24	0.0	0.0	0.0	0.0
Kanpur	400	411	04:03	400	09:38	0.0	0.0	0.2	0.0
Dadri	400	424	03:41	401	09:41	0.0	0.0	21.3	0.0
Ballabhgarh	400	430	03:59	406	09:37	0.0	0.0	42.8	0.0
Bawana	400	428	20:42	405	09:40	0.0	0.0	39.2	0.0
Bassi	400	426	20:41	391	09:41	0.0	0.0	10.8	0.0
Hissar	400	424	20:44	399	09:38	0.0	0.0	3.6	0.0
Moga	400	423	20:45	402	09:40	0.0	0.0	2.2	0.0
Abdullapur	400	419	23:53	386	09:40	0.0	7.8	0.0	0.0
Nalagarh	400	434	21:28	406	09:39	0.0	0.0	50.5	8.5
Kishenpur	400	427	21:01	399	18:19	0.0	0.0	12.1	0.0
Wagoora	400	409	21:01	371	18:23	5.7	37.8	0.0	0.0
Amritsar	400	429	20:45	408	09:37	0.0	0.0	52.8	0.0
Kashipur	400	420	20:42	407	11:23	0.0	0.0	0.0	0.0
Hamirpur	400	421	00:00	400	09:38	0.0	0.0	39.3	0.0
Rishikesh	400	412	20:41	376	12:19	2.7	30.7	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	19:56	737	06:45	0.0	6.3	0.0	0.0
Balia	765	770	04:04	744	11:23	0.0	0.0	0.0	0.0
Moga	765	809	20:44	762	07:33	0.0	0.0	4.9	0.0
Agra	765	798	20:44	746	09:40	0.0	0.0	0.0	0.0
Bhiwani	765	812	20:45	756	09:38	0.0	0.0	11.1	0.0
Unnao	765	769	04:03	735	10:10	0.0	15.2	0.0	0.0
Lucknow	765	780	04:05	742	11:23	0.0	0.0	0.0	0.0
Meerut	765	820	20:45	764	09:48	0.0	0.0	8.0	0.0
Jhatikara	765	809	03:09	762	11:16	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	803	03:56	756	12:11	0.0	0.0	0.0	0.0
Anta	765	781	19:41	756	09:39	0.0	0.0	0.0	0.0
Phagi	765	798	20:44	747	06:50	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	506.68	1382.01	503.41	1245.57	223.96	383.75
Pong	426.72	384.05	415.73	705.67	410.48	514.41	63.00	427.56
Tehri	829.79	740.04	0.00	0.00	0.00	0.00	0.00	0.00
Koteshwar	612.50	598.50	610.69	4.95	610.20	4.69	149.00	147.91
Chamera-I	760.00	748.75	759.31	0.00	0.00	0.00	61.86	50.43
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	506.58	1.26	509.32	2.24	54.16	24.59

*** 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	-670	273	0	-597	265	0	-12.56	5.79	-6.77
Delhi	-907	-125	0	-547	421	0	-15.48	6.78	-8.70
Haryana	-283	299	0	-478	266	0	-7.91	4.33	-3.58
HP	152	40	0	245	-171	0	6.01	-2.10	3.91
J&K	437	0	0	421	-111	0	10.12	-0.92	9.20
CHD	-30	0	0	0	-25	0	-0.24	-0.19	-0.43
Rajasthan	-6	639	2	-6	564	2	9.21	14.41	23.62
UP	109	0	0	-278	0	0	-3.69	0.00	-3.69
Uttarakhand	194	255	0	194	215	0	4.66	7.44	12.10
Total	**-1004**	**1380**	**2**	**-1046**	**1425**	**2**	**-9.89**	**35.53**	**25.64**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-193	-670	274	162	0	0
Delhi	-543	-907	684	-163	0	0
Haryana	-269	-478	299	-204	0	0
HP	318	152	40	-722	0	0
J&K	437	401	0	-186	0	0
CHD	0	-30	15	-66	0	0
Rajasthan	713	-6	974	-110	2	2
UP	150	-329	0	0	0	0
Uttarakhand	194	194	478	123	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 28.11.2015 :

Normal.

XIV. Synchronisation of new generating units :

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

400 KV Sonepat - Kurukshetra Ckt-II successfully charged from Sonepat end at 13.08 Hrs and synchronised at Kurukshetra end at 13.14 Hrs on 28.11.2015.

400 KV Abdullapur - Kurukshetra Ckt-II successfully charged from Kurukshetra end at 13.39 Hrs and synchronised at Abdullapur end at 13.41 Hrs on 28.11.2015.

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :

Report for : 28.11.2015

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER