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 17.11.2015
Date of Reporting : 18.11.2015

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
35848	106	35954	49.95	28865	1890	30754	0.00	774.1	46.68

* 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	29.50	10.65		40.14	45.96	45.37	-0.58	85.52	0.00
Haryana	40.25	0.52		40.77	62.74	63.41	0.67	104.17	0.00
Rajasthan	115.31	0.00	2.09	117.40	76.89	79.98	3.10	197.38	0.00
Delhi	12.43			12.43	43.06	43.73	0.68	56.16	0.06
UP	113.10	6.90		120.00	110.87	111.72	0.85	231.72	35.67
Uttarakhand		7.69		7.69	21.60	24.46	2.86	32.14	1.36
HP		5.80		5.80	16.89	17.61	0.72	23.41	0.08
J & K		9.91	0.00	9.91	30.07	30.37	0.31	40.28	9.51
Chandigarh				0.00	3.29	3.36	0.27	3.36	0.00
Total	**310.58**	**41.46**	**2.09**	**354.12**	**411.35**	**420.02**	**8.86**	**774.14**	**46.68**

* 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	3730	0	-209	-412	2903	0	-33	-452	4493
Haryana	5540	0	-202	-385	2776	0	-205	-316	5540
Rajasthan	8795	0	96	296	8170	0	127	682	9873
Delhi	2974	2	-114	-250	1698	8	86	-884	3048
UP	9957	-428	-527	-257	9910	1617	39	114	10754
Uttarakhand	1662	75	124	218	1092	0	122	280	1693
HP	1186	0	70	-171	724	0	57	180	1323
J&K	1828	457	-71	293	1499	265	-13	294	1996
Chandigarh	176	0	-8	-80	92	0	1	-30	180
Total	**35848**	**106**	**-841**	**-746**	**28865**	**1890**	**181**	**-131**	**35992**

* 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	1890	1911	2032	45.00	1875	44.91	0.09
	Rihand I STPS (2*500)	1000	818	792	721	17.93	747	17.98	-0.06
	Rihand II STPS (2*500)	1000	963	753	790	19.75	823	19.42	0.33
	Rihand III STPS (2*500)	1000	951	915	755	21.06	877	21.44	-0.39
	Dadri I STPS (4*210)	840	810	137	131	3.34	139	3.37	-0.03
	Dadri II STPS (2*490)	980	980	323	361	8.86	369	9.52	-0.66
	Unchahar I TPS (2*210)	420	363	324	263	6.05	252	6.82	-0.77
	Unchahar II TPS (2*210)	420	404	258	258	6.18	258	7.07	-0.88
	Unchahar III TPS (1*220)	210	202	154	133	3.34	139	3.55	-0.21
	ISTPP (Jhajjhar) (3*500)	1500	1500	612	594	15.20	634	15.64	-0.43
	Dadri GPS (4*130.19+2*154.51)	830	630	435	485	10.75	448	10.98	-0.23
	Anta GPS (3*88.71+1*153.2)	419	419	174	217	4.56	190	4.91	-0.35
	Auraiya GPS (4*111.19+2*109.30)	663	653	292	284	5.73	239	5.86	-0.14
	Dadri Solar	5	1	0	0	0.02	1	0.02	0.00
	Unchahar Solar	10	1	0	0	0.02	1	0.03	-0.01
	Singrauli Solar	15	2	0	0	0.04	2	0.04	0.00
	KHEP	800	655	652	0	4.00	166	4.00	0.00
	Sub Total (A)	**12112**	**11241**	**7732**	**7024**	**172**	**7158**	**176**	**-4**
B. NPC	NAPS (2*220)	440	192	222	219	4.79	200	4.61	0.18
	RAPS- B (2*220)	440	392	438	439	9.54	398	9.41	0.13
	RAPS- C (2*220)	440	410	455	452	9.80	408	9.84	-0.04
	Sub Total (B)	**1320**	**994**	**1115**	**1110**	**24.13**	**1006**	**23.86**	**0.28**
C. NHPC	Chamera I HPS (3*180)	540	540	405	0	3.26	136	3.07	0.19
	Chamera II HPS (3*100)	300	200	206	0	1.72	72	1.67	0.05
	Chamera III HPS (3*77)	231	229	230	0	0.85	35	0.77	0.08
	Bairasuil HPS(3*60)	180	143	123	0	0.75	31	0.71	0.04
	Salal-HPS (6*115)	690	213	338	236	5.84	243	5.08	0.76
	Tanakpur-HPS (3*40)	94	28	26	27	0.78	32	0.67	0.11
	Uri-I HPS (4*120)	480	455	447	475	11.32	472	10.94	0.38
	Uri-II HPS (4*60)	240	190	239	179	4.63	193	4.55	0.08
	Dhauliganga-HPS (4*70)	280	280	146	0	1.17	49	1.05	0.12
	Dulhasti-HPS (3*130)	390	387	410	0	4.16	174	4.00	0.16
	Sewa-II HPS (3*40)	120	119	124	0	0.68	28	0.60	0.08
	Parbati 3 (4*130)	520	130	130	0	0.81	34	0.39	0.42
	Sub Total (C)	**4065**	**2914**	**2824**	**917**	**36**	**1499**	**33**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1614	0	10.03	418	10.08	-0.05
	Rampur HEP (6*68.67)	412	432	443	0	2.88	120	2.81	0.07
	Sub Total (D)	**1912**	**2037**	**2057**	**0**	**12.91**	**538**	**12.89**	**0.02**
E. THDC	Tehri HPS (4*250)	1000	1068	1049	0	6.72	280	6.50	0.22
	Koteshwar HPS (4*100)	400	92	100	90	2.23	93	2.20	0.03
	Sub Total (E)	**1400**	**1160**	**1149**	**90**	**8.95**	**373**	**8.70**	**0.25**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	555	1026	352	13.55	565	13.32	0.22
	Dehar HPS (6*165)	990	170	495	145	4.09	170	4.08	0.01
	Pong HPS (6*66)	396	176	252	126	4.11	171	4.23	-0.12
	Sub Total (F)	**2765**	**901**	**1773**	**623**	**21.74**	**906**	**21.63**	**0.11**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	50	0	0.71	30	0.68	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	820	0	5.67	236	5.76	-0.09
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	260	259	6.21	259	6.23	-0.03
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.23	10	0.23	0.00
	Sub Total (G)	1662	0	1130	259	12.82	534	12.90	-0.08
H. Total Regional Entities (A-G)		**25237**	**19247**	**17780**	**10023**	**288.32**	**12013**	**289.03**	**-0.71**

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	3.49	146
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.06	86
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	205	207	4.57	190
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	359	368	11.27	470
	Talwandi Saboo (2*660)	1320	343	361	8.10	338
	Thermal (Total)	**5360**	**1157**	**1186**	**29.50**	**1229**
	Total Hydro	1000	396	437	10.65	444
	Total Punjab	**6360**	**1553**	**1623**	**40.14**	**1673**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	551	460	11.53	481
	Faridabad GPS (NTPC)	432	400	320	8.72	363
	RGTPP (khedar) (IPP) (2*600)	1200	473	396	10.16	423
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	608	376	9.84	410
	Thermal (Total)	**4944**	**2032**	**1552**	**40.25**	**1677**
	Total Hydro	62	17	19	0.52	22
	Total Haryana	**5006**	**2049**	**1571**	**40.77**	**1699**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1081	1035	25.07	1044
	suratgarh TPS (6*250)	1500	443	428	10.41	434
	Chabra TPS (4*250)	1000	589	648	14.72	613
	Dholpur GPS (3*110)	330	85	87	2.21	92
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	163	152	4.36	181
	RAPS A (NPC) (1*100+1*200)	300	159	161	3.96	165
	Barsingsar (NLC) (2*125)	250	94	95	2.12	88
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	572	725	14.24	593
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	443	527	11.87	494
	Kawai(Adani) (2*660)	1320	1175	1117	26.36	1098
	Thermal (Total)	**8876**	**4804**	**4975**	**115**	**4805**
	Total Hydro	550	222	182	0.00	0
	Wind power	3214	24	79	0.88	37
	Biomass	99	28	28	0.67	28
	Solar	730	10	0	0.53	22
	Renewable/Others (Total)	4043	62	107	2.09	87
	Total Rajasthan	**13469**	**5088**	**5264**	**117.40**	**4891**
UP	Anpara TPS (3*210+2*500)	1630	1359	1319	32.20	1342
	Obra TPS (2*50+2*94+5*200)	1194	405	408	9.70	404
	Paricha TPS (2*110+2*220+2*250)	1140	655	625	15.00	625
	Panki TPS (2*105)	210	59	77	1.50	63
	Harduaganj TPS (1*60+1*105+2*250)	665	498	533	12.60	525
	Tanda TPS (NTPC) (4*110)	440	329	388	8.10	337
	Roza TPS (IPP) (4*300)	1200	275	270	5.90	246
	Anpara-C (IPP) (2*600)	1200	1085	1084	24.30	1013
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	58	57	1.40	58
	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**	**4723**	**4761**	**111**	**4612**
	Vishnuparyag HPS (IPP)(4*110)	440	117	112	2.70	113
	Alaknanada(4*82.5)	330	72	84	1.90	79
	Other Hydro	527	99	95	2.30	96
	Cogeneration	981	100	100	2.40	100
	Total UP	**12227**	**5111**	**5152**	**120**	**5000**
Uttarakhand	Total Hydro	1398	495	235	7.69	320
	Total Uttarakhand	**1398**	**495**	**235**	**7.69**	**320**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	38	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	158	153	3.73	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	251	251	6.05	252
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	1.73	72
	Thermal (Total)	2917	613	607	12.43	518
	Total Delhi	**2917**	**613**	**607**	**12.43**	**518**
HP	Baspa HPS (IPP) (3*100)	300	62	31	1.43	59
	Malana HPS (IPP) (2*43)	86	25	6	0.39	16
	Other Hydro	878	192	143	3.99	166
	Total HP	**1264**	**279**	**180**	**5.80**	**242**
J & K	Baglihar HPS (IPP) (3*150)	450	300	300	7.20	300
	Other Hydro/IPP	560	109	117	2.71	113
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**409**	**417**	**9.91**	413
Total State Control Area Generation		**43841**	**15597**	**15049**	**354.12**	**14755**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**4359**	**4411**	**146.55**	**6106**
Total Regional Availability(Gross)		**69078**	**37735**	**29483**	**789.00**	**32875**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9325**	**1630**	**89.94**	**3748**
State Control Area Hydro	**6581**	**2106**	**1761**	**41**	**1727**
Total Regional Hydro	**18815**	**11431**	**3391**	**131.40**	**5475**

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	-50	100	150	0.96	1.21	-0.25
765 KV Gwalior-Agra (D/C)	1891	2246	2976	0	57.30	0.00	57.30
400 KV Zerda-Kankroli	-71	-91	84	187	0.00	1.19	-1.19
400 KV Zerda-Bhinmal	13	15	217	133	1.49	0.00	1.49
220 KV Auraiya-Malanpur	-111	-133	0	139	0.00	2.35	-2.35
220 KV Badod-Kota/Morak	-71	-108	0	84	0.00	2.11	-2.11
Mundra-Mohindergarh(HVDC Bipole)	2000	2000	2006	0	48.35	0.00	48.35
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	749	734	614	0	22.04	0.00	22.04
Sub Total WR	**4500**	**4613**			**130.14**	**6.87**	**123.27**
Pusauli Bypass/HVDC	350	350	350	0	8.61	0.00	8.61
400 KV MZP- GKP (D/C)	20	-232	360	104	4.63	0.00	4.63
400 KV Patna-Balia(D/C) X 2	0	0	0	0	0.00	0.00	0.00
400 KV B'Sharif-Balia (D/C)	247	293	466	0	7.78	0.00	7.78
765 KV Gaya-Balia	-6	53	160	80	1.31	0.00	1.31
765 KV Gaya-Fatehpur	47	89	301	2	3.77	0.00	3.77
220 KV Pusauli-Sahupuri	128	135	152	0	3.01	0.00	3.01
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-24	0	30	0.00	0.60	-0.60
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-127	-78	123	182	0.00	0.42	-0.42
400 KV Barh -GKP (D/C)	-274	-288	364	0	7.19	0.00	7.19
Sub Total ER	**359**	**298**			**36.30**	**1.01**	**35.29**
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.00	-12.00
Sub Total NER	**-500**	**-500**			**0.00**	**12.00**	**-12.00**
Total IR Exch	**4359**	**4411**			**166.43**	**19.88**	**146.55**

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
27.66	0.95	28.60	4.48	-16.47	5.84	14.01	5.96	-5.96

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
44.88	96.61	141.49	23.29	123.27	146.55	-21.60	26.66	5.06

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	-31	0	33	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	1.48	9.79	48.18	62.55	19.92	7.67	0.15	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)
50.21	21.55	49.71	6.51	50.00	0.061	0.078	0.00	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	403	21:25	397	12:15	0.2	0.2	0.0	0.0
Gorakhpur	400	420	07:15	402	17:48	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	418	21:43	394	14:36	0.0	0.0	0.0	0.0
Kanpur	400	411	21:15	402	10:47	0.0	0.0	0.0	0.0
Dadri	400	426	21:42	405	11:06	0.0	0.0	19.4	0.0
Ballabhgarh	400	430	21:28	408	11:06	0.0	0.0	41.3	0.0
Bawana	400	430	21:41	408	11:07	0.0	0.0	41.4	0.0
Bassi	400	428	21:17	398	09:17	0.0	0.0	9.9	0.0
Hissar	400	424	21:38	403	11:06	0.0	0.0	4.7	0.0
Moga	400	425	02:54	409	10:41	0.0	0.0	24.7	0.0
Abdullapur	400	431	21:41	407	09:27	0.0	0.0	32.8	0.1
Nalagarh	400	437	21:42	409	10:49	0.0	0.0	64.8	6.5
Kishenpur	400	427	02:52	401	18:35	0.0	0.0	22.5	0.0
Wagoora	400	409	03:23	377	19:16	3.8	26.8	0.0	0.0
Amritsar	400	431	21:52	412	10:51	0.0	0.0	56.3	0.2
Kashipur	400	420	21:46	408	14:35	0.0	0.0	0.0	0.0
Hamirpur	400	429	02:30	412	18:39	0.0	0.0	67.1	0.0
Rishikesh	400	412	21:41	384	10:42	0.0	7.5	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	776	21:42	737	05:46	0.0	3.0	0.0	0.0
Balia	765	771	07:21	747	17:55	0.0	0.0	0.0	0.0
Moga	765	812	21:47	777	10:49	0.0	0.0	22.5	0.0
Agra	765	802	21:48	754	11:06	0.0	0.0	0.2	0.0
Bhiwani	765	814	21:40	773	11:06	0.0	0.0	16.3	0.0
Unnao	765	761	08:00	731	12:19	0.0	27.7	0.0	0.0
Lucknow	765	777	21:43	749	10:40	0.0	0.0	0.0	0.0
Meerut	765	816	21:47	774	11:07	0.0	0.0	20.6	0.0
Jhatikara	765	816	21:54	777	10:51	0.0	0.0	19.3	0.0
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	790	21:18	761	06:11	0.0	0.0	0.0	0.0
Phagi	765	801	21:30	752	11:04	0.0	0.0	2.2	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	507.88	1440.82	504.86	1298.95	230.70	390.49
Pong	426.72	384.05	417.10	755.83	411.66	555.85	55.93	249.36
Tehri	829.79	740.04	814.55	892.16	824.55	1097.37	73.75	154.00
Koteshwar	612.50	598.50	610.78	4.97	609.23	4.21	154.00	146.84
Chamera-I	760.00	748.75	758.63	0.00	0.00	0.00	82.14	88.29
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	507.51	4.35	510.10	1.77	58.30	204.76

*** 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	-667	215	0	-597	185	0	-12.49	4.38	-8.11
Delhi	-807	-78	0	-548	298	0	-15.10	6.53	-8.57
Haryana	-316	0	0	-511	126	0	-8.70	0.61	-8.09
HP	138	42	0	231	-402	0	5.69	-2.36	3.33
J&K	420	-126	0	404	-111	0	9.71	-2.03	7.68
CHD	-30	0	0	0	-80	0	-0.24	-0.41	-0.65
Rajasthan	0	682	0	0	296	0	9.34	15.06	24.40
UP	114	0	0	-257	0	0	-3.43	0.00	-3.43
Uttarakhand	194	86	0	194	24	0	4.66	3.34	8.00
Total	**-953**	**822**	**0**	**-1083**	**337**	**0**	**-10.57**	**25.13**	**14.56**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-191	-667	224	123	0	0
Delhi	-544	-807	758	-131	0	0
Haryana	-301	-511	297	-488	0	0
HP	305	138	71	-680	0	0
J&K	420	384	0	-186	0	0
CHD	0	-30	0	-80	0	0
Rajasthan	718	0	1136	-96	0	0
UP	177	-314	0	0	0	0
Uttarakhand	194	194	267	-37	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 17.11.2015 :
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 : 17.11.2015

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER