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 16.11.2015
Date of Reporting : 17.11.2015

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
36975	1697	38671	49.95	28997	837	29834	0.00	784.0	43.38

* 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	28.26	11.26		39.53	49.30	48.96	-0.35	88.48	0.00
Haryana	38.51	0.47		38.98	64.88	65.11	0.24	104.10	0.00
Rajasthan	114.52	5.31	10.35	130.19	71.63	73.93	2.30	204.12	0.00
Delhi	14.26			14.26	44.49	45.20	0.70	59.45	0.07
UP	112.13	6.00		118.13	111.59	112.35	0.77	230.49	32.90
Uttarakhand		8.12		8.12	19.68	23.61	3.93	31.73	1.06
HP		5.90		5.90	17.03	16.83	-0.20	22.73	0.00
J & K		9.25	0.00	9.25	30.37	30.36	0.00	39.61	9.36
Chandigarh				0.00	3.32	3.35	0.27	3.35	0.00
Total	**307.68**	**46.31**	**10.35**	**364.35**	**412.28**	**419.70**	**7.65**	**784.05**	**43.38**

* 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	4288	0	-29	-343	3059	0	-51	-384	4417
Haryana	6158	0	103	-246	3005	0	76	-66	6158
Rajasthan	8692	0	52	-248	8057	0	143	569	9643
Delhi	3158	11	-55	-188	1713	0	177	-914	3158
UP	9678	1110	-260	-254	9941	600	-194	93	10381
Uttarakhand	1625	75	61	284	1099	0	133	215	1670
HP	1193	0	94	-140	689	0	7	187	1268
J&K	2002	501	186	303	1343	237	-159	319	2002
Chandigarh	181	0	3	-80	91	0	5	-30	181
Total	**36975**	**1697**	**154**	**-911**	**28997**	**837**	**136**	**-11**	**36975**

* 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	1891	2011	1973	45.00	1875	44.62	0.38
	Rihand I STPS (2*500)	1000	715	378	662	14.88	620	14.76	0.13
	Rihand II STPS (2*500)	1000	963	824	647	19.10	796	18.61	0.50
	Rihand III STPS (2*500)	1000	970	867	696	20.38	849	20.37	0.01
	Dadri I STPS (4*210)	840	810	156	144	3.38	141	3.40	-0.01
	Dadri II STPS (2*490)	980	980	345	327	8.18	341	8.72	-0.54
	Unchahar I TPS (2*210)	420	406	308	262	6.61	276	7.25	-0.64
	Unchahar II TPS (2*210)	420	404	292	254	6.21	259	6.80	-0.59
	Unchahar III TPS (1*220)	210	202	151	138	3.23	135	3.42	-0.19
	ISTPP (Jhajjhar) (3*500)	1500	1500	910	634	17.09	712	17.07	0.02
	Dadri GPS (4*130.19+2*154.51)	830	630	445	546	11.91	496	12.22	-0.31
	Anta GPS (3*88.71+1*153.2)	419	419	197	196	4.99	208	5.60	-0.61
	Auraiya GPS (4*111.19+2*109.30)	663	654	204	285	5.97	249	6.27	-0.30
	Dadri Solar	5	1	0	0	0.01	1	0.01	0.00
	Unchahar Solar	10	1	0	0	0.03	1	0.04	-0.01
	Singrauli Solar	15	1	0	0	0.04	2	0.04	0.01
	KHEP	800	655	645	0	4.02	168	3.80	0.22
	Sub Total (A)	**12112**	**11202**	**7733**	**6764**	**171**	**7127**	**173**	**-2**
B. NPC	NAPS (2*220)	440	192	219	223	4.70	196	4.61	0.09
	RAPS- B (2*220)	440	392	437	437	9.46	394	9.41	0.05
	RAPS- C (2*220)	440	410	451	450	9.73	406	9.84	-0.11
	Sub Total (B)	**1320**	**994**	**1107**	**1110**	**23.90**	**996**	**23.86**	**0.04**
C. NHPC	Chamera I HPS (3*180)	540	540	406	0	2.66	111	2.50	0.16
	Chamera II HPS (3*100)	300	200	205	0	1.84	77	1.73	0.12
	Chamera III HPS (3*77)	231	229	228	0	1.11	46	1.00	0.11
	Bairasuil HPS(3*60)	180	179	173	0	0.70	29	0.65	0.05
	Salal-HPS (6*115)	690	197	338	206	5.58	232	4.72	0.86
	Tanakpur-HPS (3*40)	94	29	30	55	0.82	34	0.70	0.12
	Uri-I HPS (4*120)	480	454	462	468	11.09	462	10.90	0.19
	Uri-II HPS (4*60)	240	226	239	238	5.34	222	5.42	-0.08
	Dhauliganga-HPS (4*70)	280	280	266	0	1.15	48	1.05	0.10
	Dulhasti-HPS (3*130)	390	387	393	0	4.60	192	4.40	0.20
	Sewa-II HPS (3*40)	120	119	125	0	0.67	28	0.60	0.07
	Parbati 3 (4*130)	520	131	130	0	0.81	34	0.65	0.16
	Sub Total (C)	**4065**	**2971**	**2994**	**967**	**36**	**1515**	**34**	**2**
D.SJVNL	NJPC (6*250)	1500	1605	1506	0	10.73	447	10.67	0.06
	Rampur HEP (6*68.67)	412	432	433	0	3.10	129	2.97	0.13
	Sub Total (D)	**1912**	**2037**	**1939**	**0**	**13.83**	**576**	**13.64**	**0.19**
E. THDC	Tehri HPS (4*250)	1000	1068	1059	0	7.27	303	7.00	0.27
	Koteshwar HPS (4*100)	400	92	101	89	2.23	93	2.20	0.03
	Sub Total (E)	**1400**	**1160**	**1160**	**89**	**9.50**	**396**	**9.20**	**0.30**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	568	1018	368	13.79	574	13.63	0.16
	Dehar HPS (6*165)	990	168	495	140	4.17	174	4.04	0.13
	Pong HPS (6*66)	396	222	318	126	5.20	216	5.32	-0.13
	Sub Total (F)	**2765**	**958**	**1831**	**634**	**23.15**	**965**	**22.99**	**0.17**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	79	0	0.72	30	0.69	0.03
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	830	0	5.98	249	6.00	-0.02
	Malana Stg-II HPS (2*50)	100	0	0	0	0.32	13	0.28	0.04
	Shree Cement TPS (2*150)	300	0	262	236	5.59	233	6.14	-0.54
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.27	11	0.27	0.00
	Sub Total (G)	1662	0	1209	236	12.88	537	13.37	-0.49
H. Total Regional Entities (A-G)		**25237**	**19321**	**17972**	**9799**	**290.66**	**12111**	**290.34**	**0.32**

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	3.44	143
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	1.96	82
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	204	205	4.58	191
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	360	360	10.38	433
	Talwandi Saboo (2*660)	1320	340	432	7.91	329
	Thermal (Total)	**5360**	**1154**	**1247**	**28.26**	**1178**
	Total Hydro	1000	529	407	11.26	469
	Total Punjab	**6360**	**1683**	**1654**	**39.53**	**1647**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	549	460	11.38	474
	Faridabad GPS (NTPC)	432	398	159	5.71	238
	RGTPP (khedar) (IPP) (2*600)	1200	863	375	12.09	504
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	376	379	9.33	389
	Thermal (Total)	**4944**	**2186**	**1373**	**38.51**	**1605**
	Total Hydro	62	11	17	0.47	20
	Total Haryana	**5006**	**2197**	**1390**	**38.98**	**1624**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1046	1003	24.74	1031
	suratgarh TPS (6*250)	1500	428	395	9.81	409
	Chabra TPS (4*250)	1000	579	551	14.24	594
	Dholpur GPS (3*110)	330	95	112	2.54	106
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	66	200	4.15	173
	RAPS A (NPC) (1*100+1*200)	300	160	162	3.90	163
	Barsingsar (NLC) (2*125)	250	95	179	3.23	135
	Giral LTPS (2*125)	250	0	0	0.00	0
	Rajwest LTPS (IPP) (8*135)	1080	707	725	15.38	641
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	525	443	11.47	478
	Kawai(Adani) (2*660)	1320	1114	1010	25.05	1044
	Thermal (Total)	**8876**	**4815**	**4780**	**115**	**4772**
	Total Hydro	550	294	180	5.31	221
	Wind power	3214	150	511	7.30	304
	Biomass	99	25	25	0.61	25
	Solar	730	0	0	2.45	102
	Renewable/Others (Total)	4043	175	536	10.35	431
	Total Rajasthan	**13469**	**5284**	**5496**	**130.19**	**5424**
UP	Anpara TPS (3*210+2*500)	1630	1364	1354	32.20	1342
	Obra TPS (2*50+2*94+5*200)	1194	420	407	9.90	413
	Paricha TPS (2*110+2*220+2*250)	1140	611	654	15.00	625
	Panki TPS (2*105)	210	68	72	1.70	71
	Harduaganj TPS (1*60+1*105+2*250)	665	446	542	11.50	479
	Tanda TPS (NTPC) (4*110)	440	275	390	7.83	326
	Roza TPS (IPP) (4*300)	1200	198	279	5.60	233
	Anpara-C (IPP) (2*600)	1200	1084	1080	24.50	1021
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	57	57	1.50	63
	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**	**4523**	**4835**	**110**	**4572**
	Vishnuparyag HPS (IPP)(4*110)	440	112	112	2.70	113
	Alaknanada(4*82.5)	330	86	81	1.70	71
	Other Hydro	527	104	24	1.60	67
	Cogeneration	981	100	100	2.40	100
	Total UP	**12227**	**4925**	**5152**	**118**	**4922**
Uttarakhand	Total Hydro	1398	531	231	8.12	338
	Total Uttarakhand	**1398**	**531**	**231**	**8.12**	**338**
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0
	Delhi Gas Turbine (6x30 + 3x34)	282	38	36	0.92	38
	Pragati Gas Turbine (2x104+ 1x122)	330	156	156	3.71	155
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	246	250	6.09	254
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	3.54	147
	Thermal (Total)	2917	605	607	14.26	594
	Total Delhi	**2917**	**605**	**607**	**14.26**	**594**
HP	Baspa HPS (IPP) (3*100)	300	31	31	1.52	63
	Malana HPS (IPP) (2*43)	86	44	0	0.39	16
	Other Hydro	878	189	154	3.98	166
	Total HP	**1264**	**264**	**185**	**5.90**	**246**
J & K	Baglihar HPS (IPP) (3*150)	450	300	300	7.20	300
	Other Hydro/IPP	560	76	89	2.05	85
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**376**	**389**	**9.25**	385
Total State Control Area Generation		**43841**	**15865**	**15104**	**364.35**	**15181**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**5521**	**4977**	**145.43**	**6060**
Total Regional Availability(Gross)		**69078**	**39358**	**29880**	**800.44**	**33352**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**9478**	**1690**	**93.88**	**3912**
State Control Area Hydro	**6581**	**2307**	**1626**	**46**	**1930**
Total Regional Hydro	**18815**	**11785**	**3316**	**140.19**	**5841**

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	-200	100	200	0.66	2.75	-2.09
765 KV Gwalior-Agra (D/C)	2206	2140	2982	0	56.55	0.00	56.55
400 KV Zerda-Kankroli	0	-166	0	189	0.00	1.52	-1.52
400 KV Zerda-Bhinmal	-40	-81	139	227	0.00	0.35	-0.35
220 KV Auraiya-Malanpur	-109	-120	0	135	0.00	2.31	-2.31
220 KV Badod-Kota/Morak	-98	-141	0	176	0.00	2.73	-2.73
Mundra-Mohindergarh(HVDC Bipole)	1999	1798	2005	0	45.99	0.00	45.99
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	793	808	1274	0	23.79	0.00	23.79
Sub Total WR	**4851**	**4038**			**126.98**	**9.65**	**117.33**
Pusauli Bypass/HVDC	350	350	350	0	8.65	0.00	8.65
400 KV MZP- GKP (D/C)	-60	-272	488	72	5.85	0.00	5.85
400 KV Patna-Balia(D/C) X 2	179	315	478	0	8.32	0.00	8.32
400 KV B'Sharif-Balia (D/C)	-35	71	194	0	1.91	0.00	1.91
765 KV Gaya-Balia	40	147	234	0	1.93	0.00	1.93
765 KV Gaya-Fatehpur	82	65	287	15	3.68	0.00	3.68
220 KV Pusauli-Sahupuri	110	149	174	0	3.13	0.00	3.13
132 KV K'nasa-Sahupuri	0	0	1	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-26	-24	0	30	0.00	0.58	-0.58
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-102	-90	132	195	0.00	0.35	-0.35
400 KV Barh -GKP (D/C)	-268	-272	364	254	7.27	0.00	7.27
Sub Total ER	**270**	**439**			**40.75**	**0.92**	**39.83**
+/- 800 KV BiswanathCharialli-Agra	400	500	0	500	0.00	11.73	-11.73
Sub Total NER	**400**	**500**			**0.00**	**11.73**	**-11.73**
Total IR Exch	**5521**	**4977**			**167.73**	**22.30**	**145.43**

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
27.71	0.92	28.63	4.48	-16.47	8.52	13.36	5.97	-5.97

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
47.60	93.26	140.86	28.10	117.33	145.43	-19.51	24.08	4.57

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	-29	-32	0	33	0	1	-0.73

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	0.73	12.49	53.95	65.29	15.17	6.68	0.41	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)
50.23	21.52	49.75	16.15	49.99	0.061	0.077	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	405	01:47	398	14:46	0.0	0.0	0.0	0.0
Gorakhpur	400	418	07:01	403	11:41	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	03:38	395	11:49	0.0	0.0	0.0	0.0
Kanpur	400	411	03:32	403	09:37	0.0	0.0	0.0	0.0
Dadri	400	427	03:32	404	11:20	0.1	0.1	20.7	0.0
Ballabhgarh	400	430	03:32	406	11:22	0.0	0.0	34.1	0.0
Bawana	400	426	20:56	410	14:11	0.0	0.0	23.4	0.0
Bassi	400	426	20:46	397	09:25	0.0	0.0	10.0	0.0
Hissar	400	423	03:33	400	09:25	0.0	0.0	4.9	0.0
Moga	400	426	02:12	404	09:23	0.0	0.0	17.7	0.0
Abdullapur	400	426	02:44	404	09:26	0.0	0.0	39.9	0.0
Nalagarh	400	435	01:03	409	09:34	0.0	0.0	40.2	15.2
Kishenpur	400	429	02:59	400	18:21	0.0	0.0	18.7	0.0
Wagoora	400	410	03:04	376	18:28	7.0	34.5	0.0	0.0
Amritsar	400	430	02:04	407	06:52	0.0	0.0	34.1	0.0
Kashipur	400	420	03:32	408	11:48	0.0	0.0	0.0	0.0
Hamirpur	400	421	21:51	402	09:11	0.0	0.0	0.8	0.0
Rishikesh	400	414	03:32	382	11:42	0.0	7.1	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	775	21:48	739	05:48	0.0	1.7	0.0	0.0
Balia	765	770	03:32	745	11:47	0.0	0.0	0.0	0.0
Moga	765	805	02:57	763	09:25	0.0	0.0	13.8	0.0
Agra	765	794	20:57	751	09:38	0.0	0.0	0.0	0.0
Bhiwani	765	808	20:55	767	09:30	0.0	0.0	18.6	0.0
Unnao	765	763	03:32	731	11:48	0.0	26.2	0.0	0.0
Lucknow	765	775	21:53	742	11:48	0.0	0.0	0.0	0.0
Meerut	765	816	20:58	762	09:39	0.0	0.0	16.1	0.0
Jhatikara	765	806	21:06	785	18:17	0.0	0.0	15.7	0.0
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0
Anta	765	783	20:28	756	09:28	0.0	0.0	0.0	0.0
Phagi	765	797	20:59	751	09:27	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	507.97	1455.60	504.98	1312.37	237.32	391.62
Pong	426.72	384.05	417.18	768.49	411.77	555.85	60.82	313.78
Tehri	829.79	740.04	814.80	898.26	821.45	1033.00	73.36	167.00
Koteshwar	612.50	598.50	610.52	4.69	609.22	4.21	167.00	147.02
Chamera-I	760.00	748.75	758.70	0.00	0.00	0.00	75.48	71.97
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	507.72	4.64	510.15	1.70	66.87	164.83

*** 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	282	0	-597	254	0	-12.49	6.28	-6.21
Delhi	-807	-107	0	-548	360	0	-15.10	6.72	-8.38
Haryana	-316	250	0	-511	265	0	-8.70	5.21	-3.48
HP	138	49	0	231	-372	0	5.69	-2.04	3.65
J&K	420	-101	0	404	-101	0	9.71	-1.34	8.37
CHD	-30	0	0	0	-80	0	-0.24	-0.42	-0.66
Rajasthan	0	569	0	0	-248	0	9.34	12.31	21.65
UP	93	0	0	-254	0	0	-3.65	0.00	-3.65
Uttarakhand	194	21	0	194	90	0	4.66	0.93	5.59
Total	**-974**	**963**	**0**	**-1080**	**169**	**0**	**-10.79**	**27.67**	**16.88**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-191	-667	289	192	0	0
Delhi	-544	-807	743	-144	0	0
Haryana	-301	-511	287	-118	0	0
HP	305	138	98	-657	0	0
J&K	420	384	0	-177	0	0
CHD	0	-30	0	-80	0	0
Rajasthan	718	0	1025	-351	0	0
UP	175	-331	0	0	0	0
Uttarakhand	194	194	302	0	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 16.11.2015 :
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 : 16.11.2015

पारी प्रभारी अभियंता / SHIFT CHARGE ENGINEER