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 23.12.2015
Date of Reporting : 24.12.2015

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
40993	2037	43029	50.00	29911	348	30258	50.09	851.4	42.02

* 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	50.73	11.07		61.81	34.92	35.35	0.43	97.16	0.00
Haryana	55.11	0.43		55.53	60.53	58.93	-1.60	114.46	0.00
Rajasthan	131.04	4.75	9.73	145.52	71.90	74.92	3.02	220.44	2.88
Delhi	16.67			16.67	50.40	51.15	0.75	67.82	0.16
UP	145.89	4.50		150.39	94.88	93.67	-1.21	244.06	29.00
Uttarakhand		10.30		10.30	24.35	26.48	2.13	36.78	0.77
HP		4.30		4.30	22.04	23.59	1.55	27.89	0.00
J & K		5.57	0.00	5.57	36.89	33.44	-3.46	39.00	9.21
Chandigarh				0.00	3.79	3.84	0.27	3.84	0.00
Total	**399.43**	**40.91**	**9.73**	**450.07**	**399.70**	**401.37**	**1.89**	**851.45**	**42.02**

* 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	4445	0	-115	-857	2631	0	140	-444	5336
Haryana	6132	0	-211	-97	3553	0	-113	-83	6132
Rajasthan	10333	0	-137	466	8585	0	264	716	10333
Delhi	3313	0	-55	-48	1552	0	65	-906	3765
UP	11411	1500	13	-310	10065	95	42	119	11411
Uttarakhand	1875	75	54	533	1211	0	90	352	2025
HP	1436	0	35	427	788	0	67	324	1480
J&K	1847	462	-92	747	1432	253	-224	630	1877
Chandigarh	201	0	-13	0	94	0	8	-31	226
Total	**40993**	**2037**	**-521**	**861**	**29911**	**348**	**338**	**676**	**40993**

* 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	1030	1481	849	25.11	1046	23.39	1.71
	Rihand I STPS (2*500)	1000	876	942	711	19.60	817	19.34	0.27
	Rihand II STPS (2*500)	1000	957	933	729	21.44	893	20.62	0.81
	Rihand III STPS (2*500)	1000	973	871	750	21.76	907	21.27	0.49
	Dadri I STPS (4*210)	840	810	414	308	8.10	337	8.42	-0.32
	Dadri II STPS (2*490)	980	980	493	338	9.90	413	10.64	-0.74
	Unchahar I TPS (2*210)	420	406	376	307	8.37	349	8.46	-0.09
	Unchahar II TPS (2*210)	420	404	355	289	7.94	331	8.00	-0.06
	Unchahar III TPS (1*220)	210	202	194	141	4.00	167	4.06	-0.06
	ISTPP (Jhajjhar) (3*500)	1500	1500	783	613	14.76	615	15.16	-0.40
	Dadri GPS (4*130.19+2*154.51)	830	813	254	366	7.28	303	7.41	-0.13
	Anta GPS (3*88.71+1*153.2)	419	420	193	168	5.05	210	5.09	-0.04
	Auraiya GPS (4*111.19+2*109.30)	663	658	201	207	5.52	230	5.53	-0.01
	Dadri Solar	5	0	0	0	0.10	4	0.01	0.08
	Unchahar Solar	10	1	0	0	0.02	1	0.02	0.00
	Singrauli Solar	15	2	0	0	0.02	1	0.04	-0.02
	KHEP	800	870	602	716	2.62	109	2.61	0.01
	Sub Total (A)	**12112**	**10902**	**8092**	**6492**	**162**	**6732**	**160**	**2**
B. NPC	NAPS (2*220)	440	198	221	226	4.69	196	4.75	-0.06
	RAPS- B (2*220)	440	403	445	445	9.68	403	9.67	0.00
	RAPS- C (2*220)	440	425	458	462	9.94	414	10.20	-0.26
	Sub Total (B)	**1320**	**1026**	**1124**	**1133**	**24.30**	**1013**	**24.62**	**-0.32**
C. NHPC	Chamera I HPS (3*180)	540	540	241	0	1.90	79	1.62	0.28
	Chamera II HPS (3*100)	300	300	303	0	1.32	55	1.20	0.12
	Chamera III HPS (3*77)	231	154	0	0	0.81	34	0.70	0.11
	Bairasuil HPS(3*60)	180	124	125	0	0.58	24	0.48	0.10
	Salal-HPS (6*115)	690	105	230	70	2.91	121	2.55	0.36
	Tanakpur-HPS (3*40)	94	19	32	31	0.57	24	0.45	0.12
	Uri-I HPS (4*120)	480	209	306	234	5.39	225	5.01	0.39
	Uri-II HPS (4*60)	240	125	110	83	3.18	133	3.00	0.19
	Dhauliganga-HPS (4*70)	280	210	212	0	0.86	36	0.77	0.09
	Dulhasti-HPS (3*130)	390	258	273	0	3.39	141	3.20	0.19
	Sewa-II HPS (3*40)	120	119	125	0	0.62	26	0.50	0.12
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81
	Sub Total (C)	**4065**	**2162**	**1955**	**418**	**22**	**931**	**19**	**3**
D.SJVNL	NJPC (6*250)	1500	1080	1094	0	7.37	307	7.18	0.19
	Rampur HEP (6*68.67)	412	275	300	0	1.88	78	1.83	0.05
	Sub Total (D)	**1912**	**1355**	**1394**	**0**	**9.25**	**385**	**9.01**	**0.24**
E. THDC	Tehri HPS (4*250)	1000	1000	991	0	7.90	329	7.70	0.20
	Koteshwar HPS (4*100)	400	121	204	101	2.92	122	2.90	0.02
	Sub Total (E)	**1400**	**1121**	**1195**	**101**	**10.82**	**451**	**10.60**	**0.22**
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	680	1207	376	16.64	693	16.32	0.32
	Dehar HPS (6*165)	990	132	495	0	3.22	134	3.16	0.05
	Pong HPS (6*66)	396	269	324	60	6.44	268	6.45	-0.01
	Sub Total (F)	**2765**	**1080**	**2026**	**436**	**26.30**	**1096**	**25.93**	**0.37**
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	91	0	0.48	20	0.46	0.02
	KARCHAM WANGTOO HPS(IPP) (4*250	1000	0	630	0	3.95	165	3.84	0.11
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00
	Shree Cement TPS (2*150)	300	0	259	228	5.96	248	5.87	0.10
	Budhil HPS(IPP) (2*35)	70	0	0	0	0.00	0	0.19	-0.19
	Sub Total (G)	1662	0	980	228	10.39	433	10.36	0.03
H. Total Regional Entities (A-G)		**25237**	**17647**	**16766**	**8808**	**264.99**	**11041**	**260.05**	**4.94**

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	0	0	-0.18	-7
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	-0.02	-1
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	500	427	9.88	412
	Goindwal(GVK)		0	0	0.00	0
	Rajpura (2*700)	1400	720	709	22.60	942
	Talwandi Saboo (2*660)	1320	693	686	18.45	769
	Thermal (Total)	**5360**	**1913**	**1822**	**50.73**	**2114**
	Total Hydro	1000	579	251	11.07	461
	Total Punjab	**6360**	**2492**	**2073**	**61.81**	**2575**
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
	DCRTPP (Yamuna nagar) (2*300)	600	560	483	11.90	496
	Faridabad GPS (NTPC)	432	0	0	0.00	0
	RGTPP (khedar) (IPP) (2*600)	1200	1108	784	20.74	864
	Magnum Diesel (IPP)	25	0	0	0.00	0
	Jhajjar(CLP) (2*660)	1320	1140	722	22.46	936
	Thermal (Total)	**4944**	**2808**	**1989**	**55.11**	**2296**
	Total Hydro	62	10	12	0.43	18
	Total Haryana	**5006**	**2818**	**2001**	**55.53**	**2314**
Rajasthan	kota TPS (2*110+2*195+3*210)	1240	882	856	21.47	894
	suratgarh TPS (6*250)	1500	608	583	15.10	629
	Chabra TPS (4*250)	1000	610	571	12.93	539
	Dholpur GPS (3*110)	330	39	0	0.83	34
	Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)	271	227	216	5.75	239
	RAPS A (NPC) (1*100+1*200)	300	162	166	4.04	168
	Barsingsar (NLC) (2*125)	250	93	88	2.08	87
	Giral LTPS (2*125)	250	70	0	0.91	38
	Rajwest LTPS (IPP) (8*135)	1080	966	963	20.38	849
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0
	Kalisindh Thermal(2*600)	1200	893	966	20.07	836
	Kawai(Adani) (2*660)	1320	1202	1183	27.50	1146
	Thermal (Total)	**8876**	**5752**	**5592**	**131**	**5460**
	Total Hydro	550	180	244	4.75	198
	Wind power	3214	649	60	7.28	303
	Biomass	99	11	11	0.27	11
	Solar	730	2	0	2.19	91
	Renewable/Others (Total)	4043	662	71	9.73	406
	Total Rajasthan	**13469**	**6594**	**5907**	**145.52**	**6063**
UP	Anpara TPS (3*210+2*500)	1630	1391	1377	33.00	1375
	Obra TPS (2*50+2*94+5*200)	1194	283	440	10.30	429
	Paricha TPS (2*110+2*220+2*250)	1140	797	926	21.60	900
	Panki TPS (2*105)	210	0	0	0.00	0
	Harduaganj TPS (1*60+1*105+2*250)	665	438	452	10.30	429
	Tanda TPS (NTPC) (4*110)	440	382	380	8.89	370
	Roza TPS (IPP) (4*300)	1200	554	378	11.80	492
	Anpara-C (IPP) (2*600)	1200	1085	1079	25.80	1075
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	0	0	0.00	0
	Anpara-D(1*500)	500	0	0	0.00	0
	Lalitpur TPS(1*660)	660	133	0	0.90	38
	Bara(1*660)	660	239	162	4.10	171
	Thermal (Total)	**9949**	**5302**	**5194**	**127**	**5279**
	Vishnuparyag HPS (IPP)(4*110)	440	82	82	2.00	83
	Alaknanada(4*82.5)	330	49	50	1.20	50
	Other Hydro	527	55	22	1.30	54
	Cogeneration	981	800	800	19.20	800
	Total UP	**12227**	**6288**	**6148**	**150**	**6266**
Uttarakhand	Total Hydro	1398	612	323	10.30	429
	Total Uttarakhand	**1398**	**612**	**323**	**10.30**	**429**
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.02	-1
	Delhi Gas Turbine (6x30 + 3x34)	282	33	34	0.87	36
	Pragati Gas Turbine (2x104+ 1x122)	330	142	140	3.37	140
	Rithala GPS (3*36)	95	0	0	0.00	0
	Bawana GPS (4*216+2*253)	1370	250	252	6.07	253
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	6.38	266
	Thermal (Total)	2917	590	591	16.67	694
	Total Delhi	**2917**	**590**	**591**	**16.67**	**694**
HP	Baspa HPS (IPP) (3*100)	300	29	0	1.26	52
	Malana HPS (IPP) (2*43)	86	34	0	0.25	10
	Other Hydro	878	170	70	2.80	116
	Total HP	**1264**	**233**	**70**	**4.30**	**179**
J & K	Baglihar HPS (IPP) (3*150)	450	143	143	3.43	143
	Other Hydro/IPP	560	114	67	2.14	89
	Gas/Diesel/Others	190	0	0	0.00	0
	Total J & K	**1200**	**257**	**210**	**5.57**	232
Total State Control Area Generation		**43841**	**19884**	**17323**	**450.07**	**18753**
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			**6891**	**6124**	**171.94**	**7164**
Total Regional Availability(Gross)		**69078**	**43541**	**32255**	**887.00**	**36958**

IV. Total Hydro Generation:

Regional Entities Hydro	**12234**	**7893**	**1671**	**75.76**	**3157**
State Control Area Hydro	**6581**	**2057**	**1264**	**41**	**1705**
Total Regional Hydro	**18815**	**9950**	**2935**	**116.67**	**4861**

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)	500	400	500	0	10.73	0.00	10.73
765 KV Gwalior-Agra (D/C)	2924	2750	3306	0	69.93	0.00	69.93
400 KV Zerda-Kankroli	-175	-227	0	315	0.00	4.22	-4.22
400 KV Zerda-Bhinmal	-127	-124	97	251	0.00	2.03	-2.03
220 KV Auraiya-Malanpur	-52	-40	0	87	0.00	1.33	-1.33
220 KV Badod-Kota/Morak	-17	-67	15	81	0.77	0.00	0.77
Mundra-Mohindergarh(HVDC Bipole)	2504	2203	2510	0	58.49	0.00	58.49
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1036	824	1348	810	25.67	0.00	25.67
Sub Total WR	**6593**	**5719**			**165.59**	**7.58**	**158.01**
Pusauli Bypass/HVDC	0	0	0	0	0.00	0.00	0.00
400 KV MZP- GKP (D/C)	10	60	189	244	0.00	1.10	-1.10
400 KV Patna-Balia(D/C) X 2	246	509	552	0	10.04	0.00	10.04
400 KV B'Sharif-Balia (D/C)	26	48	208	56	1.21	0.00	1.21
765 KV Gaya-Balia	169	256	294	0	2.64	0.00	2.64
765 KV Gaya-Fatehpur	110	146	412	0	5.44	0.00	5.44
220 KV Pusauli-Sahupuri	0	0	0	0	0.00	0.00	0.00
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	0.55	-0.55
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-31	-26	272	70	1.53	0.00	1.53
400 KV Barh -GKP (D/C)	294	436	492	0	10.13	0.00	10.13
Sub Total ER	**798**	**1405**			**30.99**	**1.65**	**29.34**
+/- 800 KV BiswanathCharialli-Agra	-500	-1000	0	1000	0.00	15.41	-15.41
Sub Total NER	**-500**	**-1000**			**0.00**	**15.41**	**-15.41**
Total IR Exch	**6891**	**6124**			**196.58**	**24.65**	**171.94**

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
33.94	0.39	34.33	2.74	-12.39	11.31	27.07	6.03	-6.03

Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Inclds Mndra	Total	Through ER(including NER)	Through WR	Total	Through ER(including NER)	Through WR	Total
54.42	110.43	164.85	13.93	158.01	171.94	-40.49	47.58	7.09

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	-33	-32	0	34	0	1	-0.76

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	3.08	20.53	70.80	67.75	8.07	3.60	0.08	0.00

<---------- Frequency (Hz) ---------->				Average Frequency	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum		Minimum					MAX	MIN	
Freq	Time	Freq	Time	Hz			(Hz)	(Hz)	
50.23	6.01	49.73	7.12	49.96	0.079	0.079	50.20	49.87	32.25

VII. Voltage profile 400 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<380 kV	<390 kV	>420 kV	>430 kV	
Rihand	400	401	05:01	391	10:57	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	421	04:36	400	17:45	0.0	0.0	0.2	0.0	0.2
Bareilly(PG)400kV	400	420	04:03	396	17:28	0.0	0.0	0.0	0.0	0.0
Kanpur	400	411	05:01	400	14:48	0.0	0.0	0.2	0.0	0.2
Dadri	400	426	04:01	401	14:43	0.0	0.0	19.1	0.0	19.1
Ballabhgarh	400	432	04:01	404	14:25	0.0	0.0	36.4	2.7	36.4
Bawana	400	428	04:01	405	14:41	0.0	0.0	28.3	0.0	28.3
Bassi	400	425	05:01	394	09:38	0.0	0.0	8.2	0.0	8.2
Hissar	400	421	04:02	397	14:27	0.0	0.0	0.4	0.0	0.4
Moga	400	420	04:00	402	11:35	0.0	0.0	0.0	0.0	0.0
Abdullapur	400	425	04:01	406	17:51	0.0	0.0	26.2	0.0	26.2
Nalagarh	400	433	02:25	407	12:00	0.0	0.0	43.6	16.0	43.6
Kishenpur	400	422	02:25	396	11:50	0.0	0.0	4.1	0.0	4.1
Wagoora	400	400	13:02	370	11:49	39.5	80.8	0.0	0.0	39.5
Amritsar	400	429	21:25	410	11:44	0.0	0.0	37.9	0.0	37.9
Kashipur	400	421	05:02	228	10:44	31.9	31.9	0.3	0.0	32.3
Hamirpur	400	425	04:21	401	11:51	0.0	0.0	36.2	0.0	36.2
Rishikesh	400	417	21:59	384	14:42	0.0	16.6	0.0	0.0	0.0

VIII. Voltage profile 765 kV

Station	Voltage Level (kV)	Maximum		Minimum		Voltage (in % of Time)				Voltage Deviation Index (% of Time)
		Voltage(KV)	Time	Voltage (KV)	Time	<728 kV	<742 kV	>800 kV	>820 kV	
Fatehpur	765	772	21:36	738	18:10	0.0	5.8	0.0	0.0	0.0
Balia	765	783	04:02	746	18:12	0.0	0.0	0.0	0.0	0.0
Moga	765	801	20:30	765	14:42	0.0	0.0	0.2	0.0	0.2
Agra	765	788	04:03	748	10:36	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	802	04:00	764	10:36	0.0	0.0	2.6	0.0	2.6
Unnao	765	772	04:03	735	17:42	0.0	11.4	0.0	0.0	0.0
Lucknow	765	790	04:01	752	17:44	0.0	0.0	0.0	0.0	0.0
Meerut	765	809	21:36	765	14:44	0.0	0.0	6.4	0.0	6.4
Jhatikara	765	811	04:04	761	11:44	0.0	0.0	18.4	0.0	18.4
Bareilly 765 kV	765	790	05:02	751	14:28	0.0	0.0	0.0	0.0	0.0
Anta	765	781	20:30	758	09:51	0.0	0.0	0.0	0.0	0.0
Phagi	765	787	04:03	745	09:50	0.0	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	502.45	1192.70	499.21	1064.89	158.60	502.74
Pong	426.72	384.05	412.35	577.87	406.70	388.64	77.67	411.19
Tehri	829.79	740.04	805.60	716.35	812.60	854.27	41.95	202.00
Koteshwar	612.50	598.50	610.76	4.95	610.10	4.44	202.00	192.55
Chamera-I	760.00	748.75	758.36	0.00	0.00	0.00	50.06	50.94
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	500.48	3.57	507.53	3.11	47.19	203.61

*** 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	-764	320	0	-1059	203	0	-19.01	6.34	-12.67
Delhi	-840	-67	0	-539	491	0	-14.61	7.49	-7.12
Haryana	-346	263	0	-372	275	0	-8.80	6.29	-2.50
HP	168	156	0	425	2	0	9.88	-0.79	9.09
J&K	640	-10	0	575	172	0	14.25	0.20	14.45
CHD	-31	0	0	0	0	0	-0.24	0.11	-0.14
Rajasthan	-7	721	2	-7	471	2	8.53	15.33	23.86
UP	119	0	0	-310	0	0	-4.46	0.00	-4.46
Uttarakhand	193	159	0	224	309	0	4.78	6.68	11.46
Total	**-868**	**1541**	**2**	**-1063**	**1922**	**2**	**-9.68**	**41.64**	**31.97**

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-652	-1059	320	189	0	0
Delhi	-356	-840	831	-122	0	0
Haryana	-346	-372	295	35	0	0
HP	588	137	156	-585	0	0
J&K	702	473	197	-112	0	0
CHD	0	-31	44	-41	0	0
Rajasthan	726	-7	839	249	2	2
UP	150	-447	0	0	0	0
Uttarakhand	224	193	473	139	0	0

XI. System Reliability Indices:

(i)%age of times N-1 Criteria was violated in the inter - regional corridors
0.00 **%**
(ii)%age of times ATC violated on the inter-regional corridors
0.00 **%**

XII.System Constraints:

XIII. Grid Disturbance / Any Other Significant Event:

XIV. Weather Conditions For 23.12.2015 :
Normal.

XV. Synchronisation of new generating units :

XVI. Synchronisation of new 220 / 400 / 765 KV lines and energising of bus / /substation :
1) 400 KV Roorkee - Kashipur-I line charged first time at 20:05 HRs & synchronized at 20:30 hrs of 23.12.2015.' Active power flow was - 227 MW (import) and reactive Power was -40 MVAR.
2) 400 KV Roorkee- Kashipur-II line charged first time at 21:50 HRs & synchronized at 21:52 hrs of 23.12.2015.'Active power flow was - 137 MW (import) and reactive Power was -103 MVAR.
3)Lalitpur (660 MW)# 2 first time synchronised at 16.53 hrs of 23.12.2015.

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :

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