

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(एकमिटर की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 09.12.2015
Date of Reporting : 10.12.2015

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
39139	2682	41821	50.02	27382	455	27837	50.06	794.6	53.36

* 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 MU:

State	State's Control Area Generation (Net MU)				Drawal Schedule		UI (Net MU)	Consumption (Net MU)	UI [OD:(+ve), UD: (-ve)] Shortages *	
	Thermal	Hydro	Renewable/others \$	Total	(Net MU)	(Net MU)			(Net MU)	(Net MU)
Punjab	33.39	11.75		45.14	45.72	44.57	-1.16	89.70	0.00	
Haryana	42.85	0.42		43.27	67.30	65.37	-1.93	108.64	0.00	
Rajasthan	111.95	4.72	10.07	126.74	76.28	78.55	2.27	205.29	0.00	
Delhi	12.81			12.81	45.28	46.43	1.15	59.24	0.36	
UP	110.40	2.67		113.07	111.53	112.75	1.22	225.82	41.73	
Uttarakhand		6.80		6.80	24.55	26.23	1.68	33.02	0.92	
HP		4.56		4.56	19.70	21.14	1.45	25.70	0.03	
J & K		5.31	0.00	5.31	34.74	38.42	3.68	43.74	10.32	
Chandigarh				0.00	3.57	3.43	0.27	3.43	0.00	
Total	311.39	36.22	10.07	357.68	428.67	436.89	8.63	794.57	53.36	

* Shortage furnished by the respective constituent. \$ Others include UP Co-generation and JK Diesel

II. B. State's Demand Met in MWs:

State	Evening Peak (19:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)
	Demand Met	Shortage	UI	STOAPX transaction	Demand Met	Shortage	UI	STOAPX transaction	
Punjab	4483	0	53	-549	2513	0	-194	-165	4871
Haryana	6131	0	-3	-73	3173	0	-147	-32	6131
Rajasthan	9517	0	-32	624	7561	0	175	688	9687
Delhi	3183	0	13	-253	1485	35	137	-1160	3257
UP	10641	2070	-73	-139	8985	130	133	119	10788
Uttarakhand	1611	85	-64	465	1169	0	116	393	1733
HP	1283	0	66	226	764	0	63	204	1367
J&K	2109	527	187	530	1644	290	104	645	2234
Chandigarh	182	0	-34	0	87	0	-2	-30	188
Total	39139	2682	112	831	27382	455	386	662	39139

UI/OA/PX (OD/Import: (+ve), UD/Export: (-ve))

\$ STOAX 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 :

Entity	Station/ Constituent	Inst. Capacity (Effective) MW	Declared Capacity(MW)	Peak MW		Off Peak MW		Energy		Average		Schedule		UI	
				(Gross)	(Gross)	(Net MU)	(Gross)	(Net MU)	Sentout(MW)	Net MU	Net MU	Net MU			
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1679	1837	1502	39.31	1638	38.17	1.14						
	Rihand I STPS (2*500)	1000	856	919	697	18.64	777	18.41	0.23						
	Rihand II STPS (2*500)	1000	948	696	733	20.29	845	19.72	0.57						
	Rihand III STPS (2*500)	1000	973	1037	854	21.56	899	21.37	0.19						
	Dadri I STPS (4*210)	840	610	316	274	7.17	299	7.46	-0.30						
	Dadri II STPS (2*490)	980	980	381	324	9.39	391	10.10	-0.71						
	Unchahar I TPS (2*210)	420	406	380	268	7.97	332	8.30	-0.33						
	Unchahar II TPS (2*210)	420	396	269	263	7.40	308	7.74	-0.34						
	Unchahar III TPS (1*220)	210	202	168	130	3.60	150	3.89	-0.29						
	ISTPP (Jhajjar) (3*500)	1500	1500	849	629	16.06	669	16.51	-0.46						
	Dadri GPS (4*130.19+2*154.51)	830	561	585	585	14.55	606	15.10	-0.55						
	Anta GPS (3*88.71+1*153.2)	419	422	278	248	6.71	280	6.94	-0.23						
	Auraiya GPS (4*111.19+2*109.30)	663	656	286	301	6.98	291	7.24	-0.26						
	Dadri Solar	5	1	0	0	0.00	0	0.01	-0.01						
	Unchahar Solar	10	1	0	0	0.00	0	0.01	-0.01						
	Singrauli Solar	15	2	0	0	0.00	0	0.04	-0.04						
Sub Total (A)	12112	10847	8572	6808	24.13	1005	24.29	-0.16							
B. NPC	NAPS (2*220)	440	200	225	226	4.84	201	4.80	0.04						
	RAPS- B (2*220)	440	394	436	436	9.46	394	9.46	0.00						
	RAPS- C (2*220)	440	418	455	459	9.84	410	10.03	-0.19						
	Sub Total (B)	1320	1012	1116	1123	24.13	1005	24.29	-0.16						
C. NHPC	Chamera I HPS (3*180)	540	540	554	0	1.86	77	1.62	0.24						
	Chamera II HPS (3*100)	300	300	292	0	1.34	56	1.23	0.11						
	Chamera III HPS (3*77)	231	154	155	0	0.78	32	0.70	0.08						
	Bairasuli HPS(3*60)	180	122	124	0	0.44	18	0.40	0.04						
	Salal-HPS (6*115)	690	173	223	224	4.73	197	4.11	0.61						
	Tanakpur-HPS (3*40)	94	21	31	30	0.69	29	0.52	0.17						
	Uri-I HPS (4*120)	480	204	212	163	5.36	224	4.89	0.48						
	Uri-II HPS (4*60)	240	126	234	83	3.13	130	3.03	0.10						
	Dhauliganga-HPS (4*70)	280	140	138	0	1.25	52	1.13	0.12						
	Dulhasti-HPS (3*130)	390	387	406	0	3.47	145	3.30	0.17						
	Sewa-II HPS (3*40)	120	0	0	0	0.00	0	0.00	0.00						
	Parbati 3 (4*130)	520	130	0	0	0.81	34	0.39	0.42						
Sub Total (C)	4065	2297	2369	500	24	994	21	3							
D.SJVNL	NJPC (6*250)	1500	1539	1363	0	8.46	352	8.14	0.31						
	Rampur HEP (6*68.67)	412	370	372	0	2.39	99	2.24	0.15						
	Sub Total (D)	1912	1909	1735	0	10.84	452	10.38	0.46						
E. THDC	Tehri HPS (4*250)	1000	1024	1022	0	6.31	263	6.16	0.15						
	Koteshwar HPS (4*100)	400	100	103	100	2.43	101	2.40	0.03						
	Sub Total (E)	1400	1124	1125	100	8.74	364	8.56	0.18						
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	702	1207	376	16.79	700	16.84	-0.05						
	Dehar HPS (6*165)	990	143	495	0	3.49	145	3.44	0.05						
	Pong HPS (6*66)	396	266	384	60	6.39	266	6.37	0.02						
	Sub Total (F)	2765	1111	2086	436	26.67	1111	26.65	0.02						
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	109	0	0.56	23	0.55	0.01						
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	4.73	197	4.56	0.17						
	Malana Stg-II HPS (2*50)	100	0	0	0	0.00	0	0.00	0.00						
	Shree Cement TPS (2*150)	300	0	262	177	5.70	238	5.55	0.15						
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.19	8	0.02	0.17						
	Sub Total (G)	1662	0	1039	177	11.19	466	10.68	0.51						
H. Total Regional Entities (A-G)	25237	18299	18042	9143	287.75	11989	285.41	2.34							

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	210	160	3.81	159	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	122	123	2.60	108	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	230	201	4.98	208	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	850	721	22.00	916	
	Talwandi Saboo (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	5360	1412	1205	33.39	1391	
	Total Hydro	1000	548	438	11.75	490	
	Total Punjab	6360	1960	1643	45.14	1881	
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0	
	DCRTPP (Yamuna nagar) (2*300)	600	552	457	12.01	501	
	Faridabad GPS (NTPC)	432	0	0	0.00	0	
	RGTPP (kheadar) (IPP) (2*600)	1200	571	404	9.92	413	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar (CLP) (2*660)	1320	1171	741	20.92	872	
	Thermal (Total)	4944	2294	1602	42.85	1786	
	Total Hydro	62	8	18	0.42	18	
	Total Haryana	5006	2302	1620	43.27	1803	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	1090	1038	25.80	1075
suratgarh TPS (6*250)		1500	438	412	10.27	428	
Chabra TPS (4*250)		1000	448	384	9.94	414	
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	209	210	5.08	212	
RAPS A (NPC) (1*100+1*200)		300	160	159	3.96	165	
Barsingar (NLC) (2*125)		250	95	96	2.14	89	
Giral LTPS (2*125)		250	0	0	0.00	0	
Rajwest LTPS (IPP) (8*135)		1080	961	656	21.13	880	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	598	480	11.91	496	
Kawai(Adani) (2*660)		1320	925	925	21.73	905	
Thermal (Total)		8876	4924	4360	112	4665	
Total Hydro		550	218	177	4.72	197	
Wind power		3214	285	338	9.60	400	
Biomass		99	20	20	0.47	20	
Solar		730	0	0	0.00	0	
Renewable/Others (Total)		4043	305	358	10.07	420	
Total Rajasthan		13469	5447	4895	126.74	5281	
UP		Anpara TPS (3*210+2*500)	1630	1358	1300	32.00	1333
	Obra TPS (2*50+2*94+5*200)	1194	440	441	10.20	425	
	Paricha TPS (2*110+2*220+2*250)	1140	639	586	15.00	625	
	Panki TPS (2*105)	210	0	0	0.00	0	
	Harduaganj TPS (1*60+1*105+2*250)	665	440	326	9.60	400	
	Tanda TPS (NTPC) (4*110)	440	173	140	4.40	183	
	Roza TPS (IPP) (4*300)	1200	275	198	5.90	246	
	Anpara-C (IPP) (2*600)	1200	536	648	14.80	617	
	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	0	0	0.00	0	
	Bara(1*660)	660	0	138	1.70	71	
	Thermal (Total)	9949	3861	3777	94	3900	
	Vishnupatyag HPS (IPP)(4*110)	440	93	93	0.23	9	
	Alaknanda(4*82.5)	330	57	60	0.14	6	
	Other Hydro	527	140	27	2.30	96	
	Cogeneration	981	700	700	16.80	700	
	Total UP	12227	4851	4657	113	4711	
	Uttarakhand	Total Hydro	1398	502	171	6.80	283
		Total Uttarakhand	1398	502	171	6.80	283
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	36	39	0.87	36	
	Pragati Gas Turbine (2x104+ 1x122)	330	148	143	3.59	150	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	253	249	6.06	253	
	Badarpur TPS (NTPC) (3*95+2*210)	705	110	105	2.30	96	
	Thermal (Total)	2917	547	536	12.81	534	
	Total Delhi	2917	547	536	12.81	534	
HP	Baspa HPS (IPP) (3*100)	300	0	66	1.41	59	
	Malana HPS (IPP) (2*43)	86	45	0	0.26	11	
	Other Hydro	878	130	77	2.88	120	
	Total HP	1264	175	143	4.56	190	
J & K	Baglihar HPS (IPP) (3*150)	450	143	150	3.52	147	
	Other Hydro/IPP	560	91	59	1.79	75	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	234	209	5.31	221	
Total State Control Area Generation		43841	16018	13874	357.68	14904	
J. Net Inter Regional Exchange (Import (+ve)/Export (-ve))			7271	6437	180.17	7507	
Total Regional Availability(Gross)		69078	41331	29454	825.60	34400	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8626	1036	78.08	3253
State Control Area Hydro	6581	1975	1336	36	1509
Total Regional Hydro	18815	10601	2372	114.30	4763

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 MU
	MW	MW	Import	Export	Import	Export	Import	Export	
Vindhyaal(HVDC B/B)	50	100	400	150	2.85	0.27	2.59		
765 KV Gwalior-Agra (D/C)	2960	2573	3348	0	69.19	0.00	69.19		
400 KV Zerda-Kankrol	-94	-225	7	257	0.00	3.45	-3.45		
400 KV Zerda-Bhinmal	-24	-155	90	210	0.00	1.97	-1.97		
220 KV Auraiya-Malanpur	-30	-55	0	69	0.00	1.00	-1.00		
220 KV Badod-Kota/Morak	-58	-74	0	91	0.00	1.74	-1.74		
Mundra-Mohindergar(HVDC Bipole)	2498	1698	2507	0	53.52	0.00	53.52		
400 KV Vindhyaal - Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Phagi-Gwalior (D/C)	1151	1186	1611	0	31.99	0.00	31.99		
Sub Total WR	6453	5048			157.55	8.42	149.13		
Pusaali Bypass/HVDC	100	100	400	271	2.24	0.86	1.38		
400 KV MZP- GKP (D/C)	-78	180	252	154	1.82	0.00	1.82		
400 KV Patna-Balia(D/C) X 2	389	459	642	0	11.29	0.00	11.29		
400 KV B Sharif-Balia (D/C)	-17	136	376	17	3.76	0.00	3.76		
765 KV Gaya-Balia	264	277	392	0	7.27	0.00	7.27		
765 KV Gaya-Fatehpur	44	194	397	0	5.17	0.00	5.17		
220 KV Pusaali-Sahupuri	130	126	155	0	3.14	0.00	3.14		
132 KV Knasa-Sahupuri	0	0	0	0	0.32	0.00	0.32		
132 KV Son Ngr-Rihand	-18	-26	0	30	0.00	0.59	-0.59		
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00		
765 KV Sasaram - Fatehpur	81	-87	129	348	0.00	2.23	-2.23		
400 KV Barh -GKP (D/C)	423	530	602	0	11.91	0.00	11.91		
Sub Total ER	1318	1889			46.92	3.68	43.24		
+/- 800 KV BiswanathCharialli-Agra	-500	-500	0	500	0.00	12.20	-12.20		
Sub Total NER	-500	-500			0.00	12.20	-12.20		
Total IR Exch	7271	6437			204.47	24.30	180.17		

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
33.21	0.66	33.87	-0.44	-7.57	10.95	24.81	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
50.41	113.07	163.48	31.04	149.13	180.17	-19.38	36.06	16.69

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 MU
	MW	MW	Import	Export	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	-24	-31	0	32	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	2.05	18.11	64.83	68.89	9.73	3.30	0.01	NA

Frequency (Hz)		Average Frequency		Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block		Freq Dev Index (% of Time)
Maximum	Minimum	Hz	Hz			MAX (Hz)	MIN (Hz)	
50.20	49.74	49.97	49.97	0.069	0.076	50.05	49.81	31.11

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	404	23:53	397	11:24	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	418	21:44	405	17:45	0.0	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	421	04:31	403	11:21	0.0	0.0	0.1	0.0	0.1
Kanpur	400	411	03:01	406	11:21	0.0	0.0	0.5	0.0	0.5
Dadri	400	426	02:52	407	11:24	0.0	0.0	33.8	0.0	33.8
Ballabgarh	400	432	02:59	412	11:08	0.0	0.0	59.6	3.6	59.6
Bawana	400	431	20:14	410	11:09	0.0	0.0	45.9	0.2	45.9
Bassi	400	428	20:17	399	08:15	0.0	0.0	11.6	0.0	11.6
Hissar	400	426	20:16	402	11:12	0.0	0.0	10.7	0.0	10.7
Moga	400	424	02:49	404	11:10	0.0	0.0	22.0	0.0	22.0
Abdullapur	400	432	20:14	407	11:23	0.0	0.0	44.6	0.3	44.6
Nalagarh	400	436	20:57	410	11:08	0.0	0.0	48.0	24.9	48.0
Kishenpur	400	428	02:40	402	18:22	0.0	0.0	21.2	0.0	21.2
Wagoora	400	402	03:01	374	18:13	5.6	53.8	0.0	0.0	5.6
Amritsar	400	432	02:16	168	09:33	0.0	0.0	44.4	5.3	44.5
Kashipur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	429	02:16	405	11:09	0.0	0.0	52.9	0.0	52.9
Rishikesh	400	0	00:00	9999	00:00	0.0	0.0	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	776	20:14	745	08:33	0.0	0.0	0.0	0.0	0.0
Balia	765	761	00:00	761	00:00	0.0	0.0	0.0	0.0	0.0
Moga	765	811	20:14	771	11:12	0.0	0.0	22.3	0.0	22.3
Agra	765	796	20:14	759	11:21	0.0	0.0	0.0	0.0	0.0
Bhiwani	765	810	20:14	771	11:09	0.0	0.0	23.9	0.0	23.9
Unnao	765	788	19:27	746	11:21	0.0	0.0	0.0	0.0	0.0
Lucknow	765	787	05:02	762	17:46	0.0	0.0	0.0	0.0	0.0
Mesrut	765	819	20:14	775	11:23	0.0	0.0	27.2	0.0	27.2
Jhatikara	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Anta	765	784	20:12	765	07:37	0.0	0.0	0.0	0.0	0.0
Phagi	765	798	20:15	761	07:51	0.0	0.0	0.0	0.0	0.0

IX. Reservoir Parameters:

Name of Reservoir	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	505.11	1312.37	501.39	1153.36	190.23	493.90
Pong	426.72	384.05	414.39	656.23	408.92	464.36	49.44	399.13
Tehri	829.79	740.04	809.90	800.31	816.25	926.25	70.49	149.00
Koteswar	612.50	598.50	611.00	4.95	609.78	4.44	149.00	159.81
Chamera-I	760.00	748.75	759.52	0.00	0.00	0.00	51.69	49.93
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	504.26	4.35	508.72	3.49	57.21	195.60

* 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	-517	353	0	-847	299	0	-13.16	7.93	-5.23
Delhi	-1107	-54	0	-564	312	0	-17.25	5.33	-11.93
Haryana	-338	307	0	-364	291	0	-8.60	7.29	-1.31
HP	88	116	0	274	-48	0	6.71	-1.38	5.32
J&K	645	0	0	530	0	0	13.52	-0.73	12.79
CHD	-30	0	0	0	0	0	-0.24	0.08	-0.16
Rajasthan	-7	693	2	-7	629	2	8.69	15.46	24.15
UP	119	0	0	-139	0	0	-1.97	0.00	-1.97
Uttarakhand	194	199	0	225	239	0	4.81	6.10	10.91
Total	-954	1614	2	-893	1722	2	-7.49	40.08	32.59

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-503	-847	353	268	0	0
Delhi	-560	-1107	691	-64	0	0
Haryana	-338	-364	321	206	0	0
HP	409	88	116	-701	0	0
J&K	645	526	74	-198	0	0
CHD	0	-30	35	-35	0	0
Rajasthan	731	-7	904	56	2	2
UP	144	-217	0	0	0	0
Uttarakhand	225	194	490	148	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 09.12.2015 :

Normal.

XV. Synchronisation of new generating units :

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

XVII. Tripping of lines in pooling stations :

XVIII. Complete generation loss in a generating station :