

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावसिस्टम की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GO188682

Power Supply Position in Northern Region for 18.12.2015
Date of Reporting : 19.12.2015

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
40560	1749	42310	0.00	30043	436	30480	0.00	861.4	41.37

* 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:

State	State's Control Area Generation (Net MU)				Drawal Schedule (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages* (MU)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	60.69	12.91		73.59	40.25	40.54	0.29	114.13	0.00
Haryana	53.15	0.43		53.58	64.16	63.61	-0.54	117.20	0.00
Rajasthan	135.01	5.55	11.58	152.14	69.78	71.22	1.44	223.36	0.09
Delhi	16.09			16.09	48.80	49.48	0.68	65.57	0.09
UP	123.68	4.40		128.08	104.81	104.28	-0.53	232.36	29.45
Uttarakhand		7.25		7.25	25.63	27.95	2.33	35.21	1.68
HP		4.12		4.12	21.07	22.91	1.84	27.03	0.00
J & K		5.87	0.00	5.87	36.68	36.96	0.28	42.83	10.07
Chandigarh				0.00	3.45	3.67	0.22	3.67	0.00
Total	388.62	40.53	11.58	440.73	414.63	420.62	6.05	861.35	41.37

* 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	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction	
Punjab	5386	0	104	-917	3409	0	-159	-542	5825
Haryana	6448	0	67	-94	3377	0	33	-190	6448
Rajasthan	9944	0	-247	395	8472	0	130	727	10251
Delhi	3267	0	-71	-1	1475	0	76	-1249	3650
UP	10253	1215	-101	-135	9464	130	-165	115	10253
Uttarakhand	1849	75	92	296	1205	0	115	412	1852
HP	1388	0	41	418	815	0	119	298	1444
J&K	1837	459	-43	686	1736	306	69	642	1961
Chandigarh	189	0	-27	0	91	0	6	-30	214
Total	40560	1749	-184	648	30043	436	223	182	40560

* STOA 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 (Gross)	Off Peak MW (Gross)	Energy (Net MU)	Average Sentout(MW)	Schedule Net MU	UI Net MU	
										UI
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1877	2063	1850	44.97	1874	44.36	0.60	
	Rihand I STPS (2*500)	1000	875	941	872	19.80	825	19.93	-0.12	
	Rihand II STPS (2*500)	1000	955	1018	810	21.06	877	21.19	-0.13	
	Rihand III STPS (2*500)	1000	711	994	369	15.94	664	16.32	-0.38	
	Dadri I STPS (4*210)	840	810	280	285	7.53	314	7.60	-0.07	
	Dadri II STPS (2*490)	980	980	342	331	8.86	369	9.57	-0.71	
	Unchahar I TPS (2*210)	420	406	312	306	7.75	323	8.18	-0.43	
	Unchahar II TPS (2*210)	420	404	311	279	7.38	308	7.66	-0.28	
	Unchahar III TPS (1*220)	210	202	149	135	3.64	151	3.83	-0.20	
	JSTPP (Jhajar) (3*500)	1500	1500	623	613	14.43	601	14.79	-0.36	
	Dadri GPS (4*130.19+2*154.51)	830	551	584	482	1.39	58	14.43	-13.04	
	Anta GPS (3*88.71+1*153.2)	419	420	187	180	5.03	210	5.30	-0.27	
	Auraiya GPS (4*111.19+2*109.30)	663	658	195	275	5.98	249	6.22	-0.24	
	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	0.05	2	0.05	0.00	
	KHEP	800	700	625	0	2.84	118	2.60	0.24	
	Sub Total (A)	12112	11053	8624	6787	167	6944	182	-15	
	B. NPC	NAPS (2*220)	440	202	226	224	4.80	200	4.85	-0.05
		RAPS-B (2*220)	440	399	448	441	9.61	400	9.58	0.04
RAPS-C (2*220)		440	418	459	458	9.97	415	10.03	-0.07	
Sub Total (B)		1320	1019	1133	1123	24.37	1015	24.46	-0.09	
C. NHPC	Chamera I HPS (3*180)	540	540	559	0	1.88	78	1.62	0.26	
	Chamera II HPS (3*100)	300	300	301	0	1.65	69	1.49	0.16	
	Chamera III HPS (3*77)	231	224	150	0	0.90	37	0.75	0.15	
	Bairasuli HPS (3*60)	180	124	125	0	0.59	25	0.55	0.04	
	Salal-HPS (6*115)	690	98	230	66	2.88	120	2.38	0.50	
	Tanakpur-HPS (3*40)	94	17	31	32	0.60	25	0.42	0.18	
	Uri-I HPS (4*120)	480	251	336	268	7.30	304	6.01	1.29	
	Uri-II HPS (4*60)	240	152	161	121	4.20	175	3.65	0.56	
	Dhauliganga-HPS (4*70)	280	210	208	0	0.98	41	0.93	0.05	
	Dulhasti-HPS (3*130)	390	258	260	0	3.45	144	3.30	0.15	
	Sewa-II HPS (3*40)	120	14	83	0	0.35	15	0.33	0.03	
	Parbati 3 (4*130)	520	0	0	0	0.81	34	0.00	0.81	
	Sub Total (C)	4065	2188	2444	486	26	1066	21	4	
	D. SJVNL	NJPC (6*250)	1500	1280	1084	0	6.78	283	6.89	-0.11
		Rampur HEP (6*68.67)	412	370	298	0	1.78	74	1.87	-0.09
Sub Total (D)		1912	1650	1382	0	8.56	357	8.76	-0.20	
E. THDC	Tehri HPS (4*250)	1000	1012	1003	0	8.43	351	8.30	0.13	
	Koteshwar HPS (4*100)	400	132	204	90	3.14	131	3.15	-0.01	
	Sub Total (E)	1400	1144	1207	90	11.58	482	11.45	0.13	
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	699	1197	348	17.17	715	16.79	0.38	
	Dehar HPS (6*165)	990	150	495	0	3.61	151	3.60	0.01	
	Pong HPS (6*66)	396	268	384	60	6.43	268	6.44	0.00	
	Sub Total (F)	2765	1118	2076	408	27.21	1134	26.82	0.39	
G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*36)	192	0	47	0	0.57	24	0.55	0.02	
	KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	630	0	3.89	162	3.84	0.06	
	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	257	6.20	258	6.21	-0.01	
	Budhil HPS(IPP) (2*35)	70	0	38	0	0.19	8	0.19	0.00	
	Sub Total (G)	1662	0	977	257	10.85	452	10.78	0.07	
H. Total Regional Entities (A-G)	25237	18172	17842	9151	274.81	11450	285.77	-10.96		

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	3.84	160	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	0	0	0.00	0	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	387	406	8.39	349	
	Goindwal(GVK)	0	0	0	0.00	0	
	Rajpura (2*700)	1400	1285	901	26.43	1101	
	Talwandi Saboo (2*660)	1320	870	688	22.03	918	
	Thermal (Total)	5360	2702	2155	60.69	2529	
	Total Hydro	1000	591	429	12.91	538	
	Total Punjab	6360	3293	2584	73.59	3066	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	550	463	11.83	493	
Faridabad GPS (NTPC)		432	0	0	0.00	0	
RGTPP (khedar) (IPP) (2*600)		1200	1126	787	20.42	851	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	1109	739	20.91	871	
Thermal (Total)		4944	2785	1989	53.15	2215	
Total Hydro		62	14	14	0.43	18	
Total Haryana		5006	2799	2003	53.58	2233	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	874	858	21.31	888
	suratgarh TPS (6*250)	1500	623	389	12.31	513	
	Chabra TPS (4*250)	1000	661	573	14.99	624	
	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	211	214	5.22	217	
	RAPS A (NPC) (1*100+1*200)	300	163	165	4.04	168	
	Barsingsar (NLC) (2*125)	250	180	183	4.16	173	
	Giral LTPS (2*125)	250	84	84	1.60	67	
	Rajwest LTPS (IPP) (8*135)	1080	907	909	22.46	936	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	1123	892	23.30	971	
	Kawai(Adani) (2*660)	1320	1177	862	25.63	1068	
	Thermal (Total)	8876	6003	5129	135	5625	
	Total Hydro	550	279	229	5.55	231	
	Wind power	3214	206	625	9.10	379	
	Biomass	99	14	14	0.33	14	
	Solar	790	0	0	2.15	90	
	Renewable/Others (Total)	4043	220	639	11.58	483	
	Total Rajasthan	13469	6502	5997	152.14	6339	
	UP	Anpara TPS (3*210+2*500)	1630	1221	1237	28.30	1179
		Obra TPS (2*50+2*94+5*200)	1194	401	436	10.00	417
		Paricha TPS (2*110+2*220+2*250)	1140	571	618	15.00	625
		Panki TPS (2*105)	210	0	0	0.00	0
		Harduaganj TPS (1*60+1*105+2*250)	665	340	445	9.90	413
		Tanda TPS (NTPC) (4*110)	440	276	279	8.18	341
Roza TPS (IPP) (4*300)		1200	378	383	10.80	450	
Anpara-C (IPP) (2*600)		1200	1085	1080	24.70	1029	
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	0	0.00	0	
Thermal (Total)		9949	4272	4478	107	4454	
Vishnuparyag HPS (IPP)(4*110)		440	88	86	2.10	88	
Alakananda(4*82.5)		330	54	52	1.30	54	
Other Hydro		527	60	25	1.00	42	
Cogeneration		981	700	700	16.80	700	
Total UP	12227	5174	5341	128	5337		
Uttarakhand	Total Hydro	1398	536	178	7.25	302	
	Total Uttarakhand	1398	536	178	7.25	302	
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	-1	
	Delhi Gas Turbine (6x30 + 3x34)	282	35	37	0.86	36	
	Pragati Gas Turbine (2x104+ 1x122)	330	140	141	3.37	140	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	250	252	6.05	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	5.83	243	
	Thermal (Total)	2917	590	595	16.09	670	
Total Delhi	2917	590	595	16.09	670		
HP	Baspa HPS (IPP) (3*100)	300	31	0	0.95	40	
	Malana HPS (IPP) (2*43)	86	0	0	0.27	11	
	Other Hydro	878	152	79	2.90	121	
	Total HP	1264	183	79	4.12	172	
J & K	Baglihar HPS (IPP) (3*150)	450	150	150	3.60	150	
	Other Hydro/IPP	560	125	80	2.27	95	
	Gas/Diesel/Other	190	0	0	0.00	0	
	Total J & K	1200	275	230	5.87	245	
Total State Control Area Generation		43841	19352	17007	440.73	18364	
J. Net Inter Regional Exchange [Import (+ve)/Export (-ve)]			5746	5827	151.50	6312	
Total Regional Availability(Gross)		69078	42940	31985	867.04	36127	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	8410	984	80.22	3342
State Control Area Hydro	6581	2080	1322	41	1689
Total Regional Hydro	18815	10490	2306	120.75	5031

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	
Vindhychal(HVDC B/B)	-250	-100	100	400	0.16	4.74	-4.58
765 KV Gwalior-Agra (D/C)	2599	2450	3000	0	64.58	0.00	64.58
400 KV Zerda-Kankroli	-185	-185	0	254	0.00	3.49	-3.49
400 KV Zerda-Bhinmal	-104	-120	49	236	0.00	1.72	-1.72
220 KV Auraiya-Malanpur	-62	-63	0	106	0.00	1.60	-1.60
220 KV Badod-Kota/Morak	-17	-68	0	79	0.00	1.16	-1.16
Mundra-Mohindergarh(HVDC Bipole)	2498	1698	2507	0	53.42	0.00	53.42
400 KV Vindhyachal - Rihand	0	0	0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	755	841	1016	0	20.51	0.00	20.51
Sub Total WR	5234	4453			138.66	12.72	125.95
Pusauli Bypass/HVDC	350	350	350	0	8.12	0.00	8.12
400 KV MZP- GKP (D/C)	-204	-50	188	300	0.00	1.54	-1.54
400 KV Patna-Balia(D/C) X 2	330	496	608	0	11.21	0.00	11.21
400 KV B'Sharif-Balia (D/C)	-96	56	79	125	0.00	0.04	-0.04
765 KV Gaya-Balia	101	234	254	0	2.20	0.00	2.20
765 KV Gaya-Fatehpur	152	182	369	0	5.50	0.00	5.50
220 KV Pusauli-Sahupuri	125	154	192	0	3.15	0.00	3.15
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-20	-26	0	28	0.00	0.56	-0.56
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	-82	30	174	146	0.00	0.07	-0.07
400 KV Barh -GKP (D/C)	360	452	466	0	9.70	0.00	9.70
Sub Total ER	1016	1878			39.87	2.20	37.67
+/- 800 KV BiswanathCharialli-Agra	-504	-504	0	505	0.00	12.13	-12.13
Sub Total NER	-504	-504			0.00	12.13	-12.13
Total IR Exch	5746	5827			178.54	27.04	151.50

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	Total	Through ER	Through WR	Through ER	Through WR
32.51	0.51	33.02	-0.26	-10.54	13.33	18.99	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	
52.12	100.40	152.52	25.55	125.95	151.50	-26.57	25.54	-1.03	

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	
132 KV Tanakpur - Mahendarnagar	-33	-35	0	35	0	1	-0.75

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	1.11	11.58	51.20	66.75	14.17	7.16	0.38	NA

←----- 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	21.59	49.73	8.19	49.99	0.061	0.00	0.00	33.25	

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	405	05:00	398	00:12	0.0	0.0	0.0	0.0	0.0
Gorakhpur	400	426	04:37	405	11:45	0.0	0.0	17.5	0.0	17.5
Bareilly(PG)400kV	400	425	05:02	396	10:38	0.0	0.0	6.1	0.0	6.1
Kanpur	400	411	05:01	399	09:45	0.0	0.0	12.8	0.0	12.8
Dadri	400	427	04:02	399	09:47	0.0	0.0	23.7	0.0	23.7
Ballabgarh	400	434	05:02	400	09:47	0.0	0.0	38.0	5.1	38.0
Bawana	400	429	04:03	400	11:23	0.0	0.0	33.7	0.0	33.7
Bassi	400	427	20:43	388	09:46	0.0	0.5	9.2	0.0	9.2
Hissar	400	420	04:01	390	11:36	0.0	0.0	0.0	0.0	0.0
Moga	400	421	04:00	394	11:35	0.0	0.0	0.5	0.0	0.5
Abdullapur	400	423	04:00	397	11:36	0.0	0.0	12.2	0.0	12.2
Nalagarh	400	434	03:59	164	10:11	27.4	27.4	42.5	14.4	69.9
Kishenpur	400	425	04:03	396	18:12	0.0	0.0	15.7	0.0	15.7
Wagoora	400	400	03:39	371	18:14	12.7	71.4	0.0	0.0	12.7
Amritsar	400	427	02:33	401	11:35	0.0	0.0	28.9	0.0	28.9
Kashipur	400	0	00:00	9999	00:00	0.0	0.0	0.0	0.0	0.0
Hamirpur	400	418	02:01	393	07:26	0.0	0.0	0.0	0.0	0.0
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	790	05:02	741	09:45	0.0	0.5	0.0	0.0	0.0
Balia	765	798	05:02	748	11:46	0.0	0.0	0.0	0.0	0.0
Moga	765	798	04:02	747	11:36	0.0	0.0	0.0	0.0	0.0
Agra	765	796	05:02	736	09:45	0.0	1.7	0.0	0.0	0.0
Bhiwani	765	806	05:00	754	09:40	0.0	0.0	5.8	0.0	5.8
Unnao	765	782	05:02	733	10:37	0.0	8.3	0.0	0.0	0.0
Lucknow	765	803	05:02	762	17:51	0.0	0.0	0.6	0.0	0.6
Meerut	765	809	20:53	747	09:45	0.0	0.0	5.6	0.0	5.6
Jhatikara	765	807	20:53	756	11:40	0.0	0.0	6.8	0.0	6.8
Bareilly 765 kV	765	801	05:02	747	11:41	0.0	0.0	0.0	0.0	0.0
Anta	765	789	20:45	756	09:10	0.0	0.0	0.0	0.0	0.0
Phagi	765	794	05:01	738	09:45	0.0	0.7	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	503.50	1245.57	500.00	1088.42	193.32	527.32
Pong	426.72	384.05	413.11	600.05	407.51	416.46	82.06	408.78
Tehri	829.79	740.04	807.45	752.54	814.05	882.26	64.79	201.00
Koteshwar	612.50	598.50	610.70	4.95	609.61	4.69	201.00	206.87
Chamera-I	760.00	748.75	758.20	0.00	0.00	0.00	57.64	50.61
Rihand	268.22	252.98	849.60	249.10	853.10	306.20	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	501.84	4.80	508.05	2.03	92.52	193.20

* 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	-729	186	0	-1056	139	0	-18.37	3.06	-15.31
Delhi	-1167	-83	0	-566	565	0	-16.61	8.31	-8.30
Haryana	-344	153	0	-369	275	0	-8.73	6.06	-2.67
HP	138	160	0	427	-9	0	9.37	-1.52	7.85
J&K	642	0	0	478	207	0	14.30	0.24	14.54
CHD	-30	0	0	0	0	0	-0.24	-0.12	-0.36
Rajasthan	-7	732	2	-7	400	2	8.65	13.33	21.98
UP	115	0	0	-135	0	0	-4.02	0.00	-4.02
Uttarakhand	193	219	0	225	72	0	4.80	7.24	12.03
Total	-1188	1368	2	-1003	1649	2	-10.85	36.60	25.75

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-650	-1056	196	87	0	0
Delhi	-399	-1167	867	-109	0	0
Haryana	-344	-369	302	-156	0	0
HP	546	138	160	-846	0	0
J&K	754	474	207	-191	0	0
CHD	0	-30	21	-51	0	0
Rajasthan	728	-7	741	-576	2	2
UP	150	-429	0	0	0	0
Uttarakhand	225	193	581	18	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 18.12.2015 :
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 :