

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(पावरसिड की पूर्ण व्यापकित प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 25.09.2015
Date of Reporting : 26.09.2015

I. Regional Availability/Demand:

Demand Met	Evening Peak (20:00 Hrs) MW			Demand Met	Off Peak (03:00 Hrs) MW			Day Energy (Net MU)	
	Shortage	Requirement	Freq* (Hz)		Shortage	Requirement	Freq* (Hz)	Demand Met	Shortage
41828	1434	43262	50.02	35882	1817	37699	50.07	904.5	40.79

* 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)	UI (OD:(+ve), UD: (-ve))
	Thermal	Hydro	Renewable/others \$	Total						
Punjab	21.94	11.46		33.41	85.42	85.78	0.36	119.19	0.00	
Haryana	21.23	0.81		22.03	111.02	109.33	-1.69	131.36	0.00	
Rajasthan	105.45	0.00	28.08	133.52	51.04	51.37	0.33	184.89	0.00	
Delhi	15.41			15.41	71.18	70.29	-0.89	85.70	0.09	
UP	128.78	16.50		145.28	131.86	132.73	0.88	278.01	30.79	
Uttarakhand		20.38		20.38	14.02	15.97	1.95	36.35	0.00	
HP		16.60		16.60	7.54	8.24	0.70	24.85	0.22	
J & K		18.19	0.00	18.19	22.55	21.61	-0.94	39.80	9.69	
Chandigarh				0.00	4.56	4.34	0.27	4.34	0.00	
Total	292.80	83.94	28.08	404.82	499.17	499.66	0.98	904.48	40.79	

* 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 (20:00 Hrs) MW				Off Peak (03:00 Hrs) MW				# Max(hourly) Demand Met of Day (MW)	UI (OD/PA [OD/Import: (+ve), UD/Export: (-ve)]
	Demand Met	Shortage	UI	STOA/PX transaction	Demand Met	Shortage	UI	STOA/PX transaction		
Punjab	5653	0	-12	463	4397	0	189	615	5653	
Haryana	7033	0	-35	1762	4642	0	-253	1725	7033	
Rajasthan	8007	0	-77	136	7887	0	81	82	8226	
Delhi	3983	14	9	387	3585	0	88	200	4060	
UP	11946	920	22	390	11689	1580	-129	554	12401	
Uttarakhand	1773	0	89	-169	1329	0	100	-128	1838	
HP	1213	0	18	-813	867	0	57	-711	1232	
J&K	2000	500	-7	-301	1346	237	-155	-425	2000	
Chandigarh	220	0	-25	0	140	0	4	-20	229	
Total	41828	1434	-18	1854	35882	1817	-18	1893	41828	

* STOA figures are at sellers boundary & PX figures are at regional boundary.

figures may not be at simultaneous hour.

Diversity is 1.02

III. Regional Entities :

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 (OG:(+ve), UG: (-ve))	
								UI	Net MU
A. NTPC									
Singrauli STPS (5*200+2*500)	2000	1867	1998	2027	44.97	1874	44.55	0.43	
Rihand I STPS (2*500)	1000	803	891	792	18.78	782	18.56	0.21	
Rihand II STPS (2*500)	1000	943	1036	965	21.98	916	21.47	0.51	
Rihand III STPS (2*500)	1000	480	510	505	11.15	465	11.07	0.08	
Dadri I STPS (4*210)	840	800	310	281	7.43	310	7.53	-0.09	
Dadri II STPS (2*490)	980	970	678	650	16.49	687	17.19	-0.70	
Unchahar I TPS (2*210)	420	200	214	173	4.49	187	4.72	-0.23	
Unchahar II TPS (2*210)	420	400	411	272	8.26	344	8.59	-0.33	
Unchahar III TPS (1*220)	210	200	197	133	4.14	172	4.28	-0.14	
ISTPP (Jhajjar) (3*500)	1500	1436	634	586	14.25	594	14.53	-0.28	
Dadri GPS (4*130.19+2*154.51)	830	801	270	244	6.78	282	6.92	-0.15	
Anta GPS (3*88.71+1*153.2)	419	393	178	153	4.92	205	5.03	-0.11	
Auraiya GPS (4*111.19+2*109.30)	663	634	0	0	0.00	0	0.00	0.00	
Dadri Solar	5	1	0	0	0.02	1	0.02	0.00	
Unchahar Solar	10	3	0	0	0.04	2	0.06	-0.02	
Singrauli Solar	15	3	0	0	0.01	0	0.08	-0.07	
KHEP	800	643	407	631	9.36	390	9.43	-0.07	
Sub Total (A)	12112	10577	7734	7412	173	7211	174	-1	
B. NPC									
NAPS (2*220)	440	380	425	430	9.34	389	9.12	0.22	
RAPS- B (2*220)	440	210	188	214	4.52	188	4.51	0.00	
RAPS- C (2*220)	440	390	390	390	9.36	390	9.36	0.00	
Sub Total (B)	1320	958	1025	1034	23.22	967	22.99	0.22	
C. NHPC									
Chamera I HPS (3*180)	540	536	542	544	13.03	543	12.81	0.21	
Chamera II HPS (3*100)	300	300	304	111	5.77	240	5.72	0.05	
Chamera III HPS (3*77)	231	229	233	0	3.43	143	3.34	0.09	
Bairasuli HPS(3*60)	180	179	181	122	2.69	112	2.47	0.22	
Saikal-HPS (6*115)	690	524	669	454	13.69	571	12.66	1.03	
Tanakpur-HPS (3*40)	94	75	87	82	1.98	83	1.80	0.18	
Uri-I HPS (4*120)	480	418	455	467	10.63	443	9.91	0.72	
Uri-II HPS (4*60)	240	239	243	243	5.77	241	5.74	0.03	
Dhauliganga-HPS (4*70)	280	280	289	209	4.40	183	4.14	0.26	
Dulhasti-HPS (3*130)	390	386	398	397	9.39	391	9.26	0.12	
Sewa-II HPS (3*40)	120	119	130	130	3.09	129	2.86	0.23	
Parbati 3 (4*130)	520	371	4	128	1.57	65	1.53	0.04	
Sub Total (C)	4065	3657	3536	2887	75	3144	72	3	
D.SJVNL									
NJPC (6*250)	1500	1605	1373	763	23.26	969	22.93	0.33	
Rampur HEP (6*68.67)	412	432	434	222	6.73	280	6.40	0.33	
Sub Total (D)	1912	2037	1807	985	29.99	1250	29.33	0.66	
E. THDC									
Tehri HPS (4*250)	1000	1080	1080	0	7.16	298	7.03	0.13	
Koteshwar HPS (4*100)	400	116	90	92	2.84	118	2.79	0.05	
Sub Total (E)	1400	1196	1170	92	10.00	416	9.82	0.18	
F. BBMB									
Bhakra HPS (2*108+3*126+5*157)	1379	505	1040	335	12.15	506	12.11	0.04	
Dehar HPS (6*165)	990	576	825	570	14.08	587	13.83	0.25	
Pong HPS (6*66)	396	219	384	126	5.24	218	5.26	-0.02	
Sub Total (F)	2765	1300	2249	1031	31.46	1311	31.20	0.26	
G. IPP(s)/JV(s)									
ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	115	111	2.09	87	1.97	0.11	
KARCHAM WANGTOO HPS(IPP) (4*250)	1000	0	1000	400	12.78	533	12.73	0.05	
Malana Stg-II HPS (2*50)	100	0	105	25	0.90	37	0.86	0.04	
Shree Cement TPS (2*150)	300	0	298	292	7.06	294	7.06	-0.01	
Budhil HPS(IPP) (2*35)	70	0	75	0	0.77	32	0.76	0.01	
Sub Total (G)	1662	0	1593	828	23.58	983	23.38	0.20	
H. Total Regional Entities (A-G)	25237	19726	19114	14268	366.76	15282	363.00	3.76	

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	170	170	3.84	160	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	90	90	2.07	86	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	185	183	4.25	177	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	693	360	11.79	491	
	Talwandi Saboo (1*660)	660	0	0	0.00	0	
	Thermal (Total)	4700	1138	803	21.94	914	
	Total Hydro	1000	460	430	11.46	478	
Total Punjab	5700	1598	1233	33.41	1392		
Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0	
	DCRTPP (Yamuna nagar) (2*300)	600	551	454	10.81	450	
	Faridabad GPS (NTPC)	432	380	319	8.11	338	
	RGTPP (khedar) (IPP) (2*600)	1200	0	377	2.31	96	
	Magnum Diesel (IPP)	25	0	0	0.00	0	
	Jhajjar(CLP) (2*660)	1320	0	0	0.00	0	
	Thermal (Total)	4944	931	1150	21.23	884	
	Total Hydro	62	32	33	0.81	34	
	Total Haryana	5006	963	1183	22.03	918	
	Rajasthan	kota TPS (2*110+2*195+3*210)	1240	800	763	17.80	742
suratgarh TPS (6*250)		1500	602	557	13.37	557	
Chabra TPS (4*250)		1000	332	201	6.89	287	
Dholpur GPS (3*110)		330	87	88	2.15	89	
Ramgarh GPS (1*37.5 + 1*35.5 +2*37.5 +1*110 +1*50)		271	166	156	3.74	156	
RAPS A (NPC) (1*100+1*200)		300	174	174	4.33	180	
Barsingar (NLC) (2*125)		250	188	96	3.18	133	
Giral LTPS (2*125)		250	50	50	1.08	45	
Rajwest LTPS (IPP) (8*135)		1080	776	790	17.90	746	
VS LIGNITE LTPS (IPP) (1*135)		135	0	0	0.00	0	
Kalisindh Thermal(2*600)		1200	601	624	13.71	571	
Kawai(Adani) (2*660)		1320	907	846	21.31	888	
Thermal (Total)		8876	4683	4345	105	4394	
Total Hydro		550	0	0	0.00	0	
Wind power		3214	844	1071	24.99	1041	
Biomass		99	24	24	0.58	24	
Solar		730	0	0	2.51	105	
Renewable/Others (Total)		4043	868	1095	28.08	1170	
Total Rajasthan		13469	5551	5440	133.52	5564	
UP		Anpara TPS (3*210+2*500)	1630	920	908	22.80	950
		Obra TPS (2*50+2*94+5*200)	1194	291	412	9.70	404
		Paricha TPS (2*110+2*220+2*250)	1140	633	630	14.40	600
		Panki TPS (2*105)	210	54	59	1.40	58
	Haridwar TPS (1*60+1*105+2*250)	665	519	545	12.60	525	
	Tanda TPS (NTPC) (4*110)	440	185	180	4.58	191	
	Roza TPS (IPP) (4*300)	1200	1089	1094	26.20	1092	
	Anpara-C (IPP) (2*600)	1200	545	1080	21.60	900	
	Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)	450	324	321	7.60	317	
	Anpara-D(1*500)	500	0	0	0.00	0	
	Lalitpur TPS(1*660)	660	185	396	6.70	279	
	Thermal (Total)	9289	4745	5625	128	5316	
	Vishnuparyag HPS (IPP)(4*110)	440	405	435	9.60	400	
	Alakanada(4*82.5)	330	188	205	4.90	204	
	Other Hydro	527	84	61	2.00	83	
	Cogeneration	981	50	50	1.20	50	
	Total UP	11567	5472	6376	145	6053	
Uttarakhand	Total Hydro	1398	965	817	20.38	849	
	Total Uttarakhand	1398	965	817	20.38	849	
Delhi	Rajghat TPS (2*67.5)	135	0	0	0.00	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	33	33	0.86	36	
	Pragati Gas Turbine (2x104+ 1x122)	330	148	151	3.59	149	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	252	252	6.03	251	
	Badarpur TPS (NTPC) (3*95+2*210)	705	236	230	4.93	206	
	Thermal (Total)	2917	669	666	15.41	642	
	Total Delhi	2917	669	666	15.41	642	
HP	Baspa HPS (IPP) (3*100)	300	111	232	4.01	167	
	Malana HPS (IPP) (2*43)	86	86	65	1.02	43	
	Other Hydro	878	468	493	11.58	482	
	Total HP	1264	665	790	16.60	692	
J & K	Baglihar HPS (IPP) (3*150)	450	732	586	16.11	671	
	Other Hydro/IPP	560	153	111	2.08	87	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	885	697	18.19	758	
Total State Control Area Generation		42521	16768	17202	404.82	16868	
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)]			7209	5841	158.28	6595	
Total Regional Availability(Gross)		67758	43091	37311	929.86	38744	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	10390	6161	172.02	7167
State Control Area Hydro	6581	3684	3468	84	3498
Total Regional Hydro	18815	14074	9629	255.96	10665

V(A). Inter Regional Exchange [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
Vindhychal(HVDC B/B)	0	0	0	0	0	0	0.00	0.00	0.00
765 KV Gwalior-Agra (D/C)	2409	1832	2565	0	48.49	0.00	48.49	0.00	48.49
400 KV Zerda-Kankrol	-115	-148	0	253	0.00	4.02	0.00	4.02	-4.02
400 KV Zerda-Bhinmal	-127	-148	0	287	0.00	3.64	0.00	3.64	-3.64
220 KV Auraiya-Malanpur	-11	-57	0	21	0.00	0.59	0.00	0.59	-0.59
220 KV Badoh-Kota/Morak	-5	-48	11	111	0.00	1.16	0.00	1.16	-1.16
Mundra-Mohindergarh(HVDC Bipole)	2209	1607	2213	0	46.64	0.00	46.64	0.00	46.64
400 KV Vindhychal - Rihand	503	469	510	0	11.57	0.00	11.57	0.00	11.57
765 kV Phagi-Gwalior (D/C)	1051	755	1122	0	23.26	0.00	23.26	0.00	23.26
Sub Total WR	5914	4262			129.95	9.41			120.54
Pusaali Bypass/HVDC	450	400	450	0	9.13	0.00	9.13	0.00	9.13
400 KV MZP- GKP (D/C)	188	358	544	0	9.15	0.00	9.15	0.00	9.15
400 KV Patna-Balia(D/C) X 2	106	208	312	0	5.31	0.00	5.31	0.00	5.31
400 KV B'Shanif-Balia (D/C)	-44	86	202	63	2.20	0.00	2.20	0.00	2.20
765 KV Pusaali-Balia	8	43	134	40	0.50	0.00	0.50	0.00	0.50
765 KV Gaya-Fatehpur	106	92	223	0	3.29	0.00	3.29	0.00	3.29
220 KV Pusaali-Sahupuri	145	149	188	0	3.62	0.00	3.62	0.00	3.62
132 KV K'nasa-Sahupuri	0	0	0	0	0.00	0.00	0.00	0.00	0.00
132 KV Son Ngr-Rihand	-32	-26	0	36	0.00	0.67	0.00	0.67	-0.67
132 KV Garhwa-Rihand	0	0	0	0	0.00	0.00	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	112	53	97	125	0.00	0.11	0.00	0.11	-0.11
400 KV Barh -GKP (D/C)	256	216	265	0	5.33	0.00	5.33	0.00	5.33
Sub Total ER	1295	1579			38.53	0.79			37.74
+/- 800 KV BiswanathChariali-Agra	0	0	0	0	0	0	0	0	0
Sub Total NER	0	0			0	0			0
Total IR Exch	7209	5841			168.48	10.20			158.28

V(B). Inter Regional Schedule & Actual Exchanges [Import (+ve)/Export (-ve)] [Corridor wise]

ER	ISGS/LT Schedule (MU)		Bilateral Schedule (MU)		Power Exchange Shdi (MU)		Wheeling (MU)	
	Bhutan	Total	Through ER	Through WR	Through ER	Through WR	Through ER	Through WR
22.70	3.90	26.60	17.09	11.85	3.51	0.27	0.65	-0.65
Total IR Schedule (MU)			Total IR Actual (MU)			Net IR UI (MU)		
Through ER	Through WR Incids Mndra	Total	Through ER	Through WR	Total	Through ER	Through WR	Total
47.85	103.99	151.84	37.74	120.54	158.28	-10.11	16.55	6.44

V(C). Inter National Exchange with Nepal [Import (+ve)/Export (-ve)] [Linkwise]

Element	Peak(20:00 Hrs)		Off Peak(03:00 Hrs)		Maximum Interchange (MW)		Energy (MU)		Net Energy MU
	MW	MW	MW	MW	Import	Export	Import	Export	
132 KV Tanakpur - Mahendarnagar	0	0	0	0	0	0	0	0	0.00

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	0.60	3.69	28.04	68.13	61.90	8.18	1.92	0.00	0.00

<----- Frequency (Hz) ----->

Maximum				Minimum				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Freq	Time	Freq	Time	Hz	(Hz)	MAX (Hz)	MIN (Hz)					
50.17	13.01	49.66	18.53	49.95	0.092	0.082	50.14	49.84				

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	404	03:28	398	00:05	0.0	0.0	0.0	0.0
Gorakhpur	400	417	08:02	399	00:04	0.0	0.0	0.0	0.0
Bareilly	400	414	04:02	396	18:54	0.0	0.0	0.0	0.0
Kanpur	400	420	04:02	402	18:41	0.0	0.0	0.0	0.0
Dadri	400	422	04:02	400	18:42	0.0	0.0	1.7	0.0
Ballabgarh	400	428	04:00	404	18:39	0.0	0.0	19.7	0.0
Bawana	400	427	04:02	403	18:52	0.0	0.0	19.7	0.0
Bassi	400	431	04:02	407	18:52	0.0	0.0	19.0	0.0
Hissar	400	425	04:02	396	18:53	0.0	0.0	12.1	0.0
Moga	400	425	02:58	400	18:54	0.0	0.0	14.7	0.0
Abdullapur	400	431	04:02	401	18:52	0.0	0.0	24.9	0.1
Nalagarh	400	433	04:03	406	18:53	0.0	0.0	33.6	7.6
Kishenpur	400	424	04:01	403	19:08	0.0	0.0	9.7	0.0
Wagoora	400	413	03:04	395	20:36	0.0	25.3	0.0	0.0
Amritsar	400	429	02:58	406	18:49	0.0	0.0	22.8	0.0
Kashipur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0
Hamirpur	400	0	00:00	0	00:00	0.0	0.0	0.0	0.0
Rishikesh	400	0	00:00	0	00:00	0.0	0.0	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	04:02	742	18:54	0.0	0.0	0.0	0.0
Balia	765	772	08:02	743	00:08	0.0	0.0	0.0	0.0
Moga	765	811	03:06	766	18:53	0.0	0.0	15.2	0.0
Agra	765	798	04:02	761	18:42	0.0	0.0	0.0	0.0
Bhiwani	765	810	03:01	770	18:53	0.0	0.0	19.9	0.0
Unnao	765	765	08:08	736	00:05	0.0	5.4	0.0	0.0
Lucknow	765	776	08:02	746	00:06	0.0	0.0	0.0	0.0
Meerut	765	815	03:06	773	18:54	0.0	0.0	23.4	0.0
Jhatikara	765	811	04:03	767	18:52	0.0	0.0	16.1	0.0
Bareilly	765	781	08:02	751	18:53	0.0	0.0	0.0	0.0
Anta	765	768	00:00	768	00:00	0.0	0.0	0.0	0.0
Phagi	765	802	04:00	767	18:53	0.0	0.0	2.7	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	511.69	1635.65	511.17	1605.30	592.02	338.56
Pong	426.72	384.05	421.24	946.20	416.73	743.22	384.85	300.61
Tehri	829.79	740.04	822.80	1056.00	823.00	1065.00	169.64	158.00
Koteshwar	612.50	598.50	608.07	3.76	611.88	5.73	158.00	186.86
Chamera-I	760.00	748.75	0.00	0.00	0.00	0.00	276.73	353.25
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	513.93	4.42	515.56	7.31	787.26	87.29

* NA: Not Available

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

State	Off- Peak Hours (03:00 Hrs)			Peak Hours (20:00 Hrs)			Day Energy (MU)		
	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MW)	IEX (MW)	PXIL (MW)	Bilateral (MU)	IEX / PXIL (MU)	Total (MU)
Punjab	288	327	0	283	180	0	6.90	7.13	14.03
Delhi	108	94	-2	490	-103	0	7.32	1.24	8.55
Haryana	1701	24	0	1701	61	0	40.85	-0.21	40.64
HP	-439	-272	0	-388	-425	0	-9.73	-7.11	-16.84
J&K	-411	-15	0	-411	110	0	-9.86	2.27	-7.59
CHD	0	-20	0	0	0	0	0.00	0.11	0.11
Rajasthan	-248	328	2	-390	526	0	-6.66	8.03	1.36
UP	554	0	0	390	0	0	9.74	0.00	9.74
Uttarakhand	-192	64	0	-200	31	0	-4.58	2.54	-2.04
Total	1363	530	0	1475	379	0	33.99	14.00	47.99

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	288	283	334	175	0	0
Delhi	539	108	381	-135	0	-2
Haryana	1704	1700	237	-415	0	0
HP	-388	-439	-114	-592	0	0
J&K	-411	-411	159	-15	0	0
CHD	0	0	30	-35	0	0
Rajasthan	-248	-391	588	-73	2	0
UP	570	311	0	0	0	0
Uttarakhand	-178	-200	207	5	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 25.09.2015 :

Scattered rain in part of Northern region.

XIV. Synchronisation of new generating units :

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

765kV Bus along with 3*500MVA ICT at Bara first time charged at no load at 1122Hrs

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :