

पॉवर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

(सार्वजनिक की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)



उत्तरी क्षेत्रीय भार प्रेषण केंद्र

CIN: U40105DL2009GOI188682

Power Supply Position in Northern Region for 29.11.2015

Date of Reporting : 30.11.2015

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
36164	1159	37322	50.16	27813	393	28205	50.12	760.3	27.81

* 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 (Net MU)	Actual Drawal (Net MU)	UI (Net MU)	Consumption (Net MU)	Shortages* (MU)
	Thermal	Hydro	Renewable/others \$	Total					
Punjab	35.10	6.39		41.49	47.54	47.26	-0.28	88.75	0.00
Haryana	45.42	0.41		45.83	54.11	52.20	-1.92	98.02	0.00
Rajasthan	115.37	4.52	10.26	130.15	69.97	71.59	1.62	201.73	0.00
Delhi	15.80			15.80	40.37	39.69	-0.68	55.48	0.01
UP	109.97	5.10		115.07	104.52	102.81	-1.71	217.89	17.81
Uttarakhand		6.49		6.49	24.48	24.72	0.24	31.20	0.14
HP		4.80		4.80	17.21	18.17	0.96	22.97	0.12
J & K		5.84	0.00	5.84	34.74	35.46	0.72	41.30	9.73
Chandigarh				0.00	3.30	2.96	0.27	2.96	0.00
Total	321.66	33.54	10.26	365.46	396.24	394.85	-0.78	760.31	27.81

* 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	3867	0	-85	-320	2840	0	-63	-362	4782
Haryana	5661	0	-154	-284	3055	0	-125	-36	5661
Rajasthan	8907	0	-195	547	7791	0	81	635	9466
Delhi	2816	0	-69	-204	1471	0	-24	-1051	3034
UP	10155	640	-178	-303	9190	110	-105	103	10155
Uttarakhand	1549	40	-137	399	1034	0	37	398	1639
HP	1148	4	-58	-44	745	0	51	229	1245
J&K	1901	475	20	320	1601	283	38	437	2004
Chandigarh	160	0	-40	0	86	0	-1	-30	166
Total	36164	1159	-897	109	27813	393	-112	322	36164

* STOA figures are at seller's 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)]

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
A. NTPC	Singrauli STPS (5*200+2*500)	2000	1895	1962	1933	44.82	1868	44.55	0.27
	Rihand I STPS (2*500)	1000	870	693	671	17.74	739	17.61	0.13
	Rihand II STPS (2*500)	1000	963	705	725	18.44	768	18.41	0.03
	Rihand III STPS (2*500)	1000	970	696	711	20.07	836	20.52	-0.45
	Dadri I STPS (4*210)	840	610	139	151	3.49	145	3.53	-0.04
	Dadri II STPS (2*490)	980	980	333	330	8.07	336	8.41	-0.34
	Unchahar I TPS (2*210)	420	406	280	304	6.93	289	7.38	-0.45
	Unchahar II TPS (2*210)	420	404	273	287	6.59	274	7.04	-0.45
	Unchahar III TPS (1*220)	210	202	129	138	3.20	133	3.48	-0.29
	ISTPP (Jhajjar) (3*500)	1500	1500	629	635	14.69	612	15.13	-0.44
	Dadri GPS (4*130.19+2*154.51)	830	636	537	558	12.04	502	12.72	-0.68
	Anta GPS (3*88.71+1*153.2)	419	419	186	206	4.59	191	4.89	-0.30
	Auraiya GPS (4*111.19+2*109.30)	663	655	296	297	5.80	242	5.87	-0.07
	Dadri Solar	5	0	0	0	0.10	4	0.01	0.08
	Unchahar Solar	10	1	0	0	0.01	1	0.02	-0.01
	Singrauli Solar	15	1	0	0	0.03	1	0.03	0.00
	KHEP	800	613	655	0	3.43	143	3.45	-0.02
Sub Total (A)	12112	11125	7513	6946	170	7084	173	-3	
B. NPC	NAPS (2*220)	440	199	220	224	4.80	200	4.78	0.02
	RAPS- B (2*220)	440	396	438	440	9.49	395	9.50	-0.02
	RAPS- C (2*220)	440	420	458	464	9.85	410	10.08	-0.23
	Sub Total (B)	1320	1015	1116	1128	24.14	1006	24.36	-0.22
C. NHPC	Chamera I HPS (3*180)	540	540	369	0	1.81	75	1.62	0.19
	Chamera II HPS (3*100)	300	200	196	0	1.54	64	1.42	0.12
	Chamera III HPS (3*77)	231	229	229	0	0.89	37	0.85	0.05
	Bairasui HPS(3*60)	180	122	123	0	0.56	23	0.50	0.06
	Salal-HPS (6*115)	690	97	230	30	2.97	124	2.40	0.57
	Tanakpur-HPS (3*40)	94	28	51	30	0.74	31	0.68	0.06
	Uri-I HPS (4*120)	480	255	339	214	6.62	276	6.13	0.49
	Uri-II HPS (4*60)	240	152	244	121	3.86	161	3.67	0.19
	Dhauliganga-HPS (4*70)	280	210	127	0	1.18	49	1.10	0.08
	Dulhasti-HPS (3*130)	390	387	393	0	3.87	161	3.70	0.17
	Sewa-II HPS (3*40)	120	119	129	0	0.46	19	0.37	0.08
	Parbati 3 (4*130)	520	143	134	0	0.81	34	0.52	0.29
	Sub Total (C)	4065	2482	2564	395	25	1055	23	2
	D.SJVNL	NJPC (6*250)	1500	1605	1611	0	8.89	370	8.86
Rampur HEP (6*68.67)		412	432	440	0	2.58	107	2.47	0.11
Sub Total (D)		1912	2037	2051	0	11.46	478	11.33	0.14
E. THDC	Tehri HPS (4*250)	1000	1040	1040	0	6.25	261	6.20	0.05
	Koteshwar HPS (4*100)	400	92	93	91	2.21	92	2.20	0.01
	Sub Total (E)	1400	1132	1133	91	8.46	353	8.40	0.06
F. BBMB	Bhakra HPS (2*108+3*126+5*157)	1379	561	1059	385	13.75	573	13.46	0.29
	Dehar HPS (6*165)	990	170	495	0	4.10	171	4.07	0.03
	Pong HPS (6*66)	396	261	318	132	6.27	261	6.26	0.02
	Sub Total (F)	2765	991	1872	517	24.13	1005	23.79	0.34
	G. IPP(s)/JV(s)	ALLAIN DUHANGAN HPS(IPP) (2*96)	192	0	105	0	0.59	25	0.58
KARCHAM WANGTOO HPS(IPP) (4*250)		1000	0	840	0	5.00	209	5.04	-0.03
Malana Stg-II HPS (2*50)		100	0	0	0	0.00	0	0.00	0.00
Shree Cement TPS (2*150)		300	0	113	114	2.62	109	2.67	-0.04
Budhil HPS(IPP) (2*35)		70	0	75	0	0.23	10	0.23	0.00
Sub Total (G)		1662	0	1133	114	8.45	352	8.51	-0.06
H. Total Regional Entities (A-G)	25237	18783	17383	9191	271.97	11332	272.43	-0.45	

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	180	160	3.87	161	
	Guru Nanak Dev TPS(Bhatinda) (2*110+2*120)	460	100	190	3.17	132	
	Guru Hargobind Singh TPS(L.mbt) (2*210+2*250)	920	0	0	-0.11	-5	
	Goindwal(GVK)		0	0	0.00	0	
	Rajpura (2*700)	1400	351	357	11.43	476	
	Talwandi Saboo (2*660)	1320	660	664	16.75	698	
	Thermal (Total)	5360	1291	1371	35.10	1463	
	Total Hydro	1000	245	231	6.39	266	
	Total Punjab	6360	1536	1602	41.49	1729	
	Haryana	Panipat TPS (4*110+2*210+2*250)	1367	0	0	0.00	0
DCRTPP (Yamuna nagar) (2*300)		600	550	468	11.67	486	
Faridabad GPS (NTPC)		432	203	157	4.34	181	
RGTPP (khedar) (IPP) (2*600)		1200	1133	773	19.71	821	
Magnum Diesel (IPP)		25	0	0	0.00	0	
Jhajjar(CLP) (2*660)		1320	565	375	9.71	405	
Thermal (Total)		4944	2451	1773	45.42	1893	
Total Hydro		62	12	17	0.41	17	
Total Haryana		5006	2463	1790	45.83	1910	
Rajasthan		kota TPS (2*110+2*195+3*210)	1240	1017	1022	24.61	1025
	suratgarh TPS (6*250)	1500	404	390	9.85	410	
	Chabra TPS (4*250)	1000	585	571	13.93	580	
	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	203	204	5.00	208	
	RAPS A (NPC) (1*100+1*200)	300	161	160	4.01	167	
	Barsingar (NLC) (2*125)	250	186	185	4.31	179	
	Giral LTPS (2*125)	250	0	0	0.00	0	
	Rajwest LTPS (IPP) (8*135)	1080	825	646	18.93	789	
	VS LIGNITE LTPS (IPP) (1*135)	135	0	0	0.00	0	
	Kalisindh Thermal(2*600)	1200	460	450	11.25	469	
	Kawai(Adani) (2*660)	1320	954	872	23.50	979	
	Thermal (Total)	8876	4795	4500	115	4807	
	Total Hydro	550	193	180	4.52	188	
	Wind power	3214	403	716	9.67	403	
	Biomass	99	25	25	0.59	25	
	Solar	730	0	0	0.00	0	
	Renewable/Others (Total)	4043	428	741	10.26	428	
	Total Rajasthan	13469	5416	5421	130.15	5423	
	UP	Anpara TPS (3*210+2*500)	1630	1406	1397	33.10	1379
Obra TPS (2*50+2*94+5*200)		1194	435	350	9.90	413	
Paricha TPS (2*110+2*220+2*250)		1140	618	646	15.60	650	
Panki TPS (2*105)		210	0	0	0.00	0	
Harduaganj TPS (1*60+1*105+2*250)		665	436	437	10.40	433	
Tanda TPS (NTPC) (4*110)		440	146	142	3.87	161	
Roza TPS (IPP) (4*300)		1200	194	194	5.00	208	
Anpara-C (IPP) (2*600)		1200	1081	1080	23.60	983	
Bajaj Energy Pvt.Ltd(IPP) TPS (10*45)		450	58	57	1.30	54	
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	4374	4303	103	4282	
Vishnuparyag HPS (IPP)(4*110)		440	108	103	2.50	104	
Alaknanda(4*82.5)		330	64	66	1.60	67	
Other Hydro		527	64	27	1.00	42	
Cogeneration		981	300	300	7.20	300	
Total UP		12227	4910	4799	115	4795	
Uttarakhand		Total Hydro	1398	420	151	6.49	270
		Total Uttarakhand	1398	420	151	6.49	270
Delhi	Rajghat TPS (2*67.5)	135	0	0	-0.01	0	
	Delhi Gas Turbine (6x30 + 3x34)	282	39	38	0.92	39	
	Pragati Gas Turbine (2x104+ 1x122)	330	153	156	3.78	158	
	Rithala GPS (3*36)	95	0	0	0.00	0	
	Bawana GPS (4*216+2*253)	1370	251	250	6.04	252	
	Badarpur TPS (NTPC) (3*95+2*210)	705	165	165	5.06	211	
	Thermal (Total)	2917	608	609	15.80	658	
Total Delhi	2917	608	609	15.80	658		
HP	Baspa HPS (IPP) (3*100)	300	28	28	1.23	51	
	Malana HPS (IPP) (2*43)	86	45	0	0.30	13	
	Other Hydro	878	205	84	3.26	136	
	Total HP	1264	278	112	4.80	200	
J & K	Baglihar HPS (IPP) (3*150)	450	142	142	3.74	156	
	Other Hydro/IPP	560	97	83	2.10	88	
	Gas/Diesel/Others	190	0	0	0.00	0	
	Total J & K	1200	239	225	5.84	243	
Total State Control Area Generation		43841	15870	14709	365.46	15228	
J. Net Inter Regional Exchange (Import +ve)/Export (-ve)			4737	5261	143.22	5968	
Total Regional Availability(Gross)		69078	37990	29161	780.66	32527	

IV. Total Hydro Generation:

Regional Entities Hydro	12234	9221	1003	78.39	3266
State Control Area Hydro	6581	1623	1112	34	1397
Total Regional Hydro	18815	10844	2115	111.93	4664

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)	50		50		200	50	1.29	0.12	1.16
765 KV Gwalior-Agra (D/C)	2520		2302		2950	0	60.04	0.00	60.04
400 KV Zerda-Kankrol	-76		-188		69	254	0.00	1.75	-1.75
400 KV Zerda-Bhinmal	-86		54		167	225	0.04	0.00	0.04
220 KV Auraiya-Malanpur	-69		-85		0	100	0.00	1.54	-1.54
220 KV Badod-Kota/Morak	-36		-86		18	90	0.00	1.48	-1.48
Mundra-Mohindergarh(HVDC Bipole)	1207		1602		1631	0	33.54	0.00	33.54
400 KV Vindhyachal - Rihand	0		0		0	0	0.00	0.00	0.00
765 kV Phagi-Gwalior (D/C)	1018		910		1322	0	25.83	0.00	25.83
Sub Total WR	4528		4559				120.73	4.90	115.83
Pusaull Bypass/HVDC	100		100		100	0	2.46	0.00	2.46
400 KV MZP -GKP (D/C)	-240		-294		544	0	7.16	0.00	7.16
400 KV Patna-Balia(D/C) X 2	255		436		607	0	10.44	0.00	10.44
400 KV B'Sharif-Balia (D/C)	4		132		251	0	3.09	0.00	3.09
765 KV Gaya-Balia	134		217		233	0	1.81	0.00	1.81
765 KV Gaya-Fatehpur	124		123		412	0	5.48	0.00	5.48
220 KV Pusaull-Sahupuri	134		145		187	0	3.19	0.00	3.19
132 KV K'nasa-Sahupuri	0		0		0	0	0.48	0.00	0.48
132 KV Son Ngr-Rihand	-44		-35		0	44	0.00	0.84	-0.84
132 KV Garhwa-Rihand	0		0		0	0	0.00	0.00	0.00
765 KV Sasaram - Fatehpur	12		-15		307	51	0.00	2.56	-2.56
400 KV Barh -GKP (D/C)	228		388		476	0	8.79	0.00	8.79
Sub Total ER	707		1197				42.89	3.40	39.50
+/- 800 KV BiswanathCharialli-Agra	-498		-495		0	500	0.00	12.11	-12.11
Sub Total NER	-498		-495				0.00	12.11	-12.11
Total IR Exch	4737		5261				163.63	20.41	143.22

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
25.93	0.78	26.71	3.84	-13.93	6.35	22.20	5.88	-5.88	
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	Total
42.79	99.01	141.80	27.39	115.83	143.22	-15.40	16.82	1.42	

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	-32		-31		0	34	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	0.24	7.00	48.20	68.72	17.03	7.04	0.28	0.00

----- Frequency (Hz) ----->				Average Frequency Hz	Frequency Variation Index	Std. Dev.	Frequency in 15 Min Block	
Maximum		Minimum					MAX (Hz)	MIN (Hz)
Freq	Time	Freq	Time					
50.27	5.03	49.76	7.21	50.00	0.048	0.069	50.27	49.76

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	02:01	398	05:48	0.0	0.0	0.0	0.0
Gorakhpur	400	419	04:03	403	12:18	0.0	0.0	0.0	0.0
Bareilly(PG)400kV	400	419	04:02	393	11:24	0.0	0.0	0.0	0.0
Kanpur	400	411	04:03	400	09:38	0.0	0.0	0.2	0.0
Dadri	400	424	03:41	401	09:41	0.0	0.0	21.3	0.0
Ballabgarh	400	430	03:59	406	09:37	0.0	0.0	42.8	0.0
Bawana	400	428	20:42	405	09:40	0.0	0.0	39.2	0.0
Bassi	400	426	20:41	391	09:41	0.0	0.0	10.8	0.0
Hissar	400	424	20:44	399	09:38	0.0	0.0	3.6	0.0
Moga	400	423	20:45	402	09:40	0.0	0.0	2.2	0.0
Abdullapur	400	419	23:53	386	09:40	0.0	7.8	0.0	0.0
Nalagarh	400	434	21:28	406	09:39	0.0	0.0	50.5	8.5
Kishenpur	400	427	21:01	399	18:19	0.0	0.0	12.1	0.0
Wagoora	400	409	21:01	371	18:23	5.7	37.8	0.0	0.0
Amritsar	400	429	20:45	408	09:37	0.0	0.0	52.8	0.0
Kashipur	400	420	20:42	407	11:23	0.0	0.0	0.0	0.0
Hamirpur	400	421	00:00	400	09:38	0.0	0.0	39.3	0.0
Rishikesh	400	412	20:41	376	12:19	2.7	30.7	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	19:56	737	06:45	0.0	6.3	0.0	0.0
Balia	765	770	04:04	744	11:23	0.0	0.0	0.0	0.0
Moga	765	809	20:44	762	07:33	0.0	0.0	4.9	0.0
Agra	765	798	20:44	746	09:40	0.0	0.0	0.0	0.0
Bhiwani	765	812	20:45	756	09:38	0.0	0.0	11.1	0.0
Unnao	765	769	04:03	735	10:10	0.0	15.2	0.0	0.0
Lucknow	765	780	04:05	742	11:23	0.0	0.0	0.0	0.0
Meerut	765	820	20:45	764	09:48	0.0	0.0	8.0	0.0
Jhatikara	765	809	03:09	762	11:16	0.0	0.0	0.0	0.0
Bareilly 765 kV	765	803	03:56	756	12:11	0.0	0.0	0.0	0.0
Anta	765	781	19:41	756	09:39	0.0	0.0	0.0	0.0
Phagi	765	798	20:44	747	06:50	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	506.57	1382.01	503.26	1232.31	189.38	382.28
Pong	426.72	384.05	415.60	705.67	410.36	504.32	71.70	391.62
Tehri	829.79	740.04	812.10	844.28	818.40	970.25	71.74	146.00
Koteswar	612.50	598.50	610.76	4.95	610.18	4.69	146.00	145.60
Chamera-I	760.00	748.75	759.48	0.00	0.00	0.00	63.63	48.67
Rihand	268.22	252.98	0.00	0.00	0.00	0.00	0.00	0.00
RPS	352.80	343.81	1138.40	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	506.62	0.52	509.20	1.76	54.16	57.41

* 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	-673	311	0	-599	279	0	-12.62	6.86	-5.77
Delhi	-917	-134	0	-547	343	0	-15.60	4.88	-10.73
Haryana	-283	248	0	-478	194	0	-7.91	3.73	-4.18
HP	152	77	0	245	-289	0	6.01	-3.37	2.64
J&K	437	0	0	421	-101	0	10.12	-0.91	9.21
CHD	-30	0	0	0	0	0	-0.24	-0.12	-0.36
Rajasthan	-6	639	2	-6	550	2	9.21	13.78	22.99
UP	103	0	0	-303	0	0	-4.24	0.00	-4.24
Uttarakhand	194	203	0	194	204	0	4.66	6.89	11.55
Total	-1024	1344	2	-1074	1181	2	-10.63	31.75	21.12

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

State	Bilateral (MW)		IEX (MW)		PXIL (MW)	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Punjab	-196	-673	313	213	0	0
Delhi	-543	-917	651	-184	0	0
Haryana	-269	-478	252	-142	0	0
HP	318	152	77	-821	0	0
J&K	437	401	0	-186	0	0
CHD	0	-30	0	-50	0	0
Rajasthan	713	-6	1007	-104	2	2
UP	135	-346	0	0	0	0
Uttarakhand	194	194	486	140	0	0

XI. System Constraints:

XII. Grid Disturbance / Any Other Significant Event:

XIII. Weather Conditions For 29.11.2015 :

Normal.

XIV. Synchronisation of new generating units :

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

400 KV Jalandhar- Kurukshetra-S/c successfully synchronised at 16.57 Hrs on 29.11.2015.

XVI. Tripping of lines in pooling stations :

XVII. Complete generation loss in a generating station :