

**POWER TRANSMISSION CORPORATION OF UTTARAKHAND LTD.
STATE LOAD DESPATCH CENTRE
RISHIKESH (UTTRAKHAND)**

UN-NOTIFIED POWER CUTS REPORT

Sheet No. 1

Month of: - February - 2011

Name of the State : Uttarakhand

A. Power cuts on Industries:

State/ Constituents	Industry (HT/LT)	Per day (Hrs.)	Energy cut (LU)	Demand cut (MW)	Restriction From - To (Hrs.)	Remarks
Uttaranchal	H.T./L.T. (a) Furnaces	22.23	34.77	70 MW	17:30 – 20:30	Energy cuts in LU doesn't match i.e. (hours*demand cut) because some days due to restriction some part of the area under roastering is exempted, there by decreasing the demand cut. Also roastering is not done entire month.
	(b) Non continuous	22.18	36.66	70 MW	17:30 – 20:30	
	(c) Continuous	24.00	0.0	NIL		

B. Power cuts on Commercial/Towns :

State/ Constituents	Industry (HT/LT)	Per day (Hrs.)	Energy cut (LU)	Demand cut (MW)	Restriction From - To (Hrs.)	Remarks
Uttaranchal	H.T./L.T. Dehradun	Supply 24.00	0.0	NIL		Energy cuts in LU doesn't match i.e. (hours*demand cut) because some days due to restriction some part of the area under roastering is exempted, there by decreasing the demand cut. Also roastering is not done entire month.
	Small Town	23.02	17.09	60 MW		
	Kashipur	23.31	15.03	100 MW		
	Rudrapur					
	Haldwani					
	Roorkee					
	Hills	24.00	0.0	NIL		
	Kotdwar Town	23:41	1.61	15 MW		
	Mussoorie & Nanital	24:00	0.0	NIL		
	Haridwar Town	24:00	0.0	NIL		
Rishikesh Town	24.00	0.0	NIL			

C. Power Supply to Agriculture :

State/ Constituents Energy cut (LU)	Supply to Rural Areas		Supply Hrs per day			Remarks
	Single Phase (Hrs.)	Three Phase (Hrs.)	Maximum (Hrs.)	Minimum (Hrs.)	Average (Hrs.)	
64.24	24.00	24.00	24.00	17.00	22.23	

Executive Engineer(Control)
SLDC, Rishikesh, PTCUL

POWER TRANSMISSION CORPORATION OF UTTARKHAND LTD.
STATE LOAD DESPATCH CENTRE
RISHIKESH , UTTARAKHAND
POWER SUPPLY POSITION REPORT

Sheet No....III

Year 2011

Month

FEBRUARY

Name of the State : Uttarakhand


E N E R G Y (MU)

Availability 'MU'	Frequency Correction 'MU'	Energy equivalent of Demand not met 'MU'	Requirement 'MU' E= E1+E2+E3	Energy shortage for the month 'MU'
E 1 (1)	E 2 (2)	E 3 (3)	E (4)	E - E1 (5)
Gen. HP Share(-) 283.863 18.124 265.739	N/A	16.940	768.318	16.940
Drawl from CSGS 485.639 751.378		NOTE: 751.378 MU includes : 1. Power from BRPL 2. Power from BYPL 3. Power from IEX 4. Power to PXIL		IN MU 60.750 62.409 0.974 -8.952 115.181

Where E1= Own Generation (net) during the month+drawal from center sector generating stations during the month (net)+net import(-)net export + drawal from common/shared projects (net) for the month.

E2 = $T \times B \times (50 - F_{av}) / 1000$, where T is no. of hours during the month, B is frequency response characteristic (MW/Hz), F_{av} is average frequency for the month in Hz.

E3 = Energy equivalent of demand not met, as worked out in Sheet No. II


DGM/EE (SLDC)
PTCUL,UTTARAKHAND.

POWER TRANSMISSION CORPORATION OF UTTARAKHAND LIMITED
STATE LOAD DISPATCH CENTRE-RISHIKESH

OPERATION OF UFR & df/dt RELAYS

Name of Constituent: Uttarakhand

Month: February -2011

S/N	Name of Sub Station	Name Of Feeder	Type of Relay	Setting	Planned Load Interruption	Relay Operated/not operated	DATE	FROM	TO	DURATION
1	132 KV Roorkee	33 KV Dhanuani	UFR	48.60 Hz	15 MW	Not Operated				
2	132 KV Jwalapur	33 KV Bhatipur		48.80 Hz	10 MW	Not Operated				
3	132 KV Kashipur	33 KV Sarverkhara		48.80 Hz	15 MW	Not Operated				
4	132 KV Roorkee	33 KV Jhabretha		48.80 Hz	17 MW	Not Operated				
5	133 KV Roorkee	33 KV kharamugal		48.80 Hz	13 MW	Not Operated				
6	220 KV Rishikesh	40 MVA-1 & 2	df/dt	49.9/1Hz/Sec.	70 MW	Not Operated				
7	132 KV Manglore	40 MVA-1 & 2		49.9/2Hz/Sec.	70 MW	Not Operated				
8	220 KV Pantnagar	80 MVA-1 & 2		49.9/3Hz/Sec.	70 MW	Not Operated				


DGM(SO)
SLDC-RISHIKESH

**POWER TRANSMISSION CORPORATION OF UTTARANCHAL LTD.
STATE LOAD DESPATCH CENTRE
RISHIKESH , UTTARANCHAL
POWER SUPPLY POSITION REPORT**

Sheet No...II

Year 2011

Month FEBRUARY

Name of the State -- Uttaranchal

Day of the month	Demand Met (MW) (Maximum of P1 in sheet no.1) (1)	Unrestricted demand (MW) (Maximum of P in sheet no. I) (2)	Energy equivalent of Demand not met (as per sheet no.I in 'MU') (3)
1	1404	1474	1.181
2	1416	1455	1.644
3	1317	1387	1.195
4	1316	1386	1.219
5	1276	1346	1.567
6	1218	1307	0.893
7	1317	1326	0.440
8	1216	1332	0.560
9	1325	1373	0.848
10	1370	1440	1.063
11	1348	1418	0.848
12	1344	1363	0.758
13	1376	1376	0.174
14	1343	1343	0.000
15	1359	1359	0.000
16	1327	1327	0.000
17	1382	1382	0.210
18	1346	1416	0.705
19	1302	1349	0.809
20	1278	1298	0.360
21	1351	1359	0.070
22	1383	1383	0.175
23	1330	1385	0.468
24	1337	1371	0.710
25	1314	1394	0.540
26	1354	1354	0.263
27	1330	1330	0.120
28	1355	1355	0.120

Demand met for the month (P1) =Average of column..1 excluding holidays demand crash day etc.

P1 =

1204.322581 MW

Unrestricted demand for the month (P) =Maximum of column...(2) P =

1474 MW

Peak Shortage for the month =P-P1 =

269.6774194 MW

Energy Equivalent of Demand Not Met for the month (MU) =Sum of Column (3) =

16.940 MU


DGM/EE (SLDC)
PTCUL,UTTARAKHAND.

DAILY GENERATION OF HYDRO GENERATING STATIONS peak MW

Month: FEBRUARY - 2011

Generation in MW

Date	Generation in MW												Total	
	Chhibro	Khodri	Dhakrani	Dhalipur	Kulhal	Maneri Bhali	Chilla	Pathri	Mohd.-pur	Ram-Ganga	Khatima	Dharasu	Including Ramganga 13a	Excludin gRamga 13b
1-Feb-11	80	38	11	17	15	60	75	15	4	103	13	110	541,000	438
2-Feb-11	80	38	11	17	18	60	96	15	4	103	14	110	566,000	463
3-Feb-11	80	38	10	14	15	60	80	14	4	103	16	110	544,000	441
4-Feb-11	80	38	10	17	16	60	50	12	4	103	11	110	511,000	408
5-Feb-11	80	38	10	14	16	60	45	13	4	125	16	110	531,000	406
6-Feb-11	80	38	8	13	10	60	46	12	4	125	10	110	516,000	391
7-Feb-11	80	38	10	14	14	60	60	14	4	125	16	76	511,000	386
8-Feb-11	80	38	14	23	18	60	80	13	2	125	11	76	540,000	415
9-Feb-11	80	38	10	15	12	60	55	14	2	125	15	76	502,000	377
10-Feb-11	80	38	10	15	10	60	84	14	2	125	15	110	563,000	438
11-Feb-11	50	23	10	16	16	60	102	15	2	120	15	76	505,000	385
12-Feb-11	80	38	10	15	10	60	80	15	4	120	15	110	557,000	437
13-Feb-11	80	38	10	15	16	60	80	15	4	120	15	110	563,000	449
14-Feb-11	80	38	13	20	15	60	70	15	4	120	11	110	556,000	436
15-Feb-11	80	38	13	20	17	60	97	15	4	120	10	110	584,000	464
16-Feb-11	80	38	14	19	12	60	96	14	4	97	17	110	561,000	464
17-Feb-11	80	38	15	18	15	60	88	14	4	74	18	110	534,000	460
18-Feb-11	80	38	13	19	14	60	88	13	4	74	15	110	528,000	454
19-Feb-11	85	36	10	15	10	60	102	14	4	94	14	110	554,000	460
20-Feb-11	80	38	14	21	10	60	94	14	2	70	13	110	526,000	456
21-Feb-11	80	36	15	20	15	60	80	14	4	47	15	110	498,000	451
22-Feb-11	80	38	16	22	14	60	84	13	4	45	15	110	501,000	456
23-Feb-11	100	47	16	21	15	60	94	13	4	46	11	110	537,000	491
24-Feb-11	80	38	16	20	16	60	95	14	4	46	11	110	510,000	464
25-Feb-11	80	38	15	22	10	60	80	14	4	68	10	110	511,000	443
26-Feb-11	80	38	16	24	16	60	92	14	4	80	15	110	549,000	469
27-Feb-11	80	38	16	24	18	60	102	12	4	91	11	110	566,000	475
28-Feb-11	80	38	16	23	14	60	90	12	4	91	10	110	548,000	457
TOTAL	80	38	13	18	14	60	82	14	4	96	14	105	536	440


DGM/EE (SLDC)
PTCUL, UTTARAKHAND.

STATE LOAD DESPATCH CENTRE, RISHIKESH

DAILY GENERATION OF HYDRO GENERATING STATIONS

Month: FEBRUARY - 2011

Date	Generation in MU													Total		Progressive Total (Including Kalagath)
	Chhibro	Khodri	Dhakrani	Dhalipur	Kulhal	Maneri Bhai	Chilla	Pathri	Mohd.-pur	Ram-Ganga	Khatima	Dharasu	Including Ramganga 13a	Excludin gRanga 13b		
	1	2	3	4	5	6	7	8	9	10	11	12			14	
1-Feb-11	1.108	0.522	0.216	0.323	0.270	0.928	2.208	0.347	0.091	2.760	0.304	1.440	10.517	7.757	10.517	
2-Feb-11	1.092	0.534	0.210	0.308	0.256	0.852	2.076	0.353	0.091	2.472	0.283	1.430	9.957	7.485	20.474	
3-Feb-11	1.132	0.556	0.191	0.296	0.246	0.912	2.034	0.355	0.091	2.472	0.284	1.420	9.989	7.517	30.463	
4-Feb-11	1.051	0.517	0.209	0.333	0.264	0.920	1.721	0.310	0.091	2.472	0.309	1.470	9.667	7.195	40.130	
5-Feb-11	1.031	0.506	0.190	0.299	0.240	0.912	1.516	0.326	0.091	2.714	0.307	1.570	9.702	6.988	49.832	
6-Feb-11	0.890	0.451	0.191	0.307	0.240	0.956	1.530	0.300	0.091	3.000	0.286	1.340	9.582	6.582	59.414	
7-Feb-11	1.226	0.594	0.202	0.304	0.260	0.844	1.786	0.325	0.080	3.000	0.288	1.330	10.239	7.239	69.653	
8-Feb-11	1.351	0.656	0.243	0.401	0.325	0.820	1.793	0.322	0.034	3.000	0.293	1.270	10.508	7.508	80.161	
9-Feb-11	1.365	0.665	0.270	0.421	0.316	0.896	1.850	0.330	0.043	3.000	0.300	1.420	10.876	7.876	91.037	
10-Feb-11	1.049	0.510	0.216	0.325	0.282	1.044	2.050	0.326	0.043	3.000	0.311	1.730	10.886	7.886	101.923	
11-Feb-11	1.174	0.568	0.219	0.336	0.266	0.928	2.217	0.336	0.049	2.950	0.304	1.590	10.937	7.987	112.860	
12-Feb-11	1.174	0.504	0.204	0.314	0.240	0.920	2.130	0.339	0.091	2.880	0.288	1.580	10.664	7.784	123.524	
13-Feb-11	1.071	0.515	0.205	0.315	0.270	0.964	2.064	0.358	0.083	2.880	0.290	1.630	10.645	7.765	134.169	
14-Feb-11	1.431	0.689	0.268	0.415	0.307	0.964	1.920	0.355	0.091	2.880	0.285	1.720	11.325	8.445	145.494	
15-Feb-11	1.395	0.671	0.275	0.412	0.320	0.924	2.046	0.355	0.091	2.880	0.302	1.600	11.271	8.391	156.765	
16-Feb-11	1.628	0.780	0.286	0.457	0.335	0.952	2.106	0.340	0.087	2.604	0.376	1.430	11.381	8.777	168.146	
17-Feb-11	1.409	0.680	0.274	0.439	0.336	0.984	2.105	0.337	0.091	2.052	0.391	1.800	10.898	8.846	179.044	
18-Feb-11	1.399	0.677	0.245	0.408	0.329	0.936	1.920	0.335	0.091	1.758	0.372	1.590	10.060	8.302	189.104	
19-Feb-11	1.291	0.565	0.212	0.360	0.269	0.912	2.296	0.322	0.091	1.992	0.333	1.670	10.303	8.311	199.407	
20-Feb-11	1.239	0.554	0.248	0.383	0.276	0.908	2.374	0.331	0.085	1.956	0.318	1.600	10.272	8.316	209.679	
21-Feb-11	1.176	0.563	0.248	0.349	0.273	0.900	2.057	0.337	0.096	1.404	0.319	1.600	9.322	7.918	219.001	
22-Feb-11	1.288	0.628	0.261	0.373	0.294	0.860	1.853	0.326	0.096	1.116	0.321	1.590	9.006	7.890	228.007	
23-Feb-11	1.139	0.551	0.244	0.348	0.295	0.928	2.124	0.335	0.096	1.116	0.320	1.490	8.986	7.870	236.993	
24-Feb-11	1.140	0.552	0.247	0.364	0.302	0.848	2.121	0.346	0.096	1.116	0.315	1.450	8.897	7.781	245.890	
25-Feb-11	1.108	0.539	0.243	0.359	0.270	0.872	1.962	0.344	0.096	1.380	0.305	1.440	8.918	7.538	254.808	
26-Feb-11	1.119	0.546	0.233	0.351	0.302	0.852	1.860	0.342	0.096	1.787	0.308	1.580	9.376	7.589	264.184	
27-Feb-11	1.086	0.527	0.232	0.344	0.285	0.852	2.244	0.298	0.096	2.182	0.304	1.400	9.850	7.668	274.034	
28-Feb-11	1.123	0.547	0.227	0.342	0.280	0.836	2.226	0.264	0.096	2.182	0.306	1.400	9.829	7.647	283.863	
TOTAL	33.686	16.167	6.509	9.986	7.938	25.424	56.189	9.294	2.364	65.005	8.722	42.580	283.863	218.858		

DGM/EE (SLDC)
PTCUL,UTTARAKHAND.

POWER TRANSMISSION CORPORATION OF UTRANKHAND LID.
STATE LOAD DESPATCH CENTRE ,RISHIKESH

MONTH : February-11

Daily Generation/ Entitlement from CSGS / DEMAND / LOAD SHEDDING:

Date	IMPORT From GRID (Through U.P.)										Net Drawl from CSGS	Ram Ganga Level (in mtr)	Demand Met in MU	Entitlement from CSGS against share "cut" (MU)	CSGS Final Drawl "pastur" (MU)	Tr. Losses in % as per NRLDC website	CSGS Net Drawl schedule (MU)	Energy Surplus/ Short(-) (MU)					
	Total Generation	Import from U.P. through 400KV, 220 KV& 132KV Lines	Export to U.P. through 66,33& 11KV Lines	Actual Export to H.P.	Share of H.P. from Utrakhand	Share of Vishnu Prayag from UPPCL	Net Import / Export from Interstat e Lines	Drawl From CSGS TO meet out the Demand of Utrakhand	Load Shedding	Total Unrestricted Demand									Power from BRPL	Power from BYPL	Power from Mittal,UPPCL	Power from IEX	Power to PXIL
1	10.517	20.427	0.543	2.267	0.587	0.207	17.617	17.997	1.181	29.315	2.364	2.364	1.095	0.045	0.000	12.362	359.160	28.134	11.027	11.205	4.00	10.757	-1.605
2	9.957	20.742	0.536	2.266	0.584	0.207	17.940	18.317	1.644	29.541	2.364	2.364	1.095	0.045	0.000	12.682	359.030	27.897	11.712	10.677	4.00	10.250	-2.432
3	9.989	20.165	0.496	2.132	0.596	0.216	17.537	17.917	1.195	28.721	2.364	2.364	1.095	0.045	0.000	12.282	358.910	27.526	11.025	10.102	4.00	9.698	-2.584
4	9.667	20.282	0.455	2.350	0.587	0.216	17.477	17.848	1.219	28.363	2.364	2.364	1.095	0.000	0.000	12.258	358.740	27.144	11.208	10.266	4.00	9.855	-2.403
5	9.702	19.417	0.404	2.291	0.593	0.216	16.632	17.009	1.567	27.907	2.364	2.364	0.000	0.000	0.000	12.470	358.590	26.334	10.883	10.276	4.00	9.865	-2.605
6	9.582	19.006	0.533	2.001	0.580	0.216	16.472	16.836	0.893	26.947	2.364	2.364	0.000	0.038	0.000	12.260	358.430	26.054	10.779	10.834	4.00	10.401	-1.859
7	10.239	19.232	0.454	2.136	0.555	0.216	16.642	16.981	0.440	27.321	2.364	2.364	0.000	0.000	0.000	12.454	358.245	26.881	11.245	10.813	4.25	10.354	-2.100
8	10.508	14.846	0.397	2.025	0.508	0.216	12.424	12.716	0.560	23.492	2.364	2.364	0.000	0.040	0.000	8.149	358.055	22.932	10.888	11.157	4.25	10.683	2.534
9	10.876	18.598	0.528	2.157	0.634	0.216	15.913	16.331	0.848	27.637	2.364	2.364	0.000	0.000	0.000	11.804	357.875	26.789	11.291	10.986	4.25	10.529	-1.275
10	10.886	19.186	0.425	2.234	0.728	0.144	16.527	17.111	1.063	28.476	2.364	2.364	0.000	0.038	0.122	12.669	357.685	27.413	11.270	11.078	4.25	10.607	-2.061
11	10.937	19.334	0.443	2.322	0.743	0.240	16.569	17.072	0.848	28.354	2.364	2.364	0.000	0.000	0.000	12.545	357.495	27.506	11.297	11.012	4.25	10.544	-2.001
12	10.664	18.764	0.475	2.201	0.581	0.000	16.088	16.669	0.758	27.510	2.364	2.364	0.000	0.000	0.209	12.351	357.305	26.752	11.421	11.317	4.25	10.836	-1.515
13	10.645	18.239	0.401	2.079	0.627	0.000	15.759	16.386	0.174	26.574	2.364	2.364	0.000	0.000	0.522	12.381	357.115	26.404	11.655	11.259	4.25	10.781	-1.525
14	11.325	17.877	0.344	2.115	0.597	0.000	15.418	16.015	0.000	26.743	2.127	2.364	0.000	0.000	0.113	11.839	356.930	26.743	11.765	10.801	4.50	10.315	-2.446
15	11.271	18.573	0.312	2.095	0.581	0.000	16.166	16.747	0.000	27.437	2.127	2.364	0.000	0.040	0.419	12.837	356.750	27.437	11.266	10.881	4.50	10.391	-2.446
16	11.381	17.165	0.375	2.151	0.762	0.000	14.639	15.401	0.000	26.020	2.127	2.364	0.000	0.045	0.145	11.212	356.600	26.020	11.876	11.013	4.50	10.518	-0.694
17	10.888	18.234	0.397	2.220	0.752	0.000	15.617	16.369	0.210	26.725	2.127	2.364	0.000	0.045	0.125	12.160	356.450	26.515	11.689	10.551	4.50	10.076	-2.084
18	10.060	20.223	0.448	2.238	0.855	0.000	17.537	18.392	0.705	28.302	2.127	2.364	0.000	0.047	0.681	14.736	356.380	27.597	12.063	10.739	4.50	10.256	-4.481
19	10.303	19.231	0.448	2.158	0.768	0.000	16.625	17.393	0.809	27.737	2.127	2.364	0.000	0.045	0.785	13.844	356.295	26.928	12.151	11.162	4.50	10.660	-3.185
20	10.272	17.959	0.402	2.186	0.748	0.000	15.371	16.119	0.360	26.003	2.127	2.364	0.000	0.045	1.047	12.832	356.180	26.643	11.624	10.674	4.50	10.194	-2.638
21	9.322	19.942	0.474	2.155	0.659	0.000	17.313	17.972	0.070	26.705	1.891	1.891	0.000	0.046	1.042	15.337	356.050	26.635	11.014	10.510	4.00	10.090	-5.247
22	9.006	21.759	0.439	2.234	0.661	0.000	18.086	19.747	0.175	28.267	1.891	1.891	0.000	0.047	1.042	17.110	355.995	28.092	12.047	10.992	4.00	10.553	-6.558
23	8.986	21.058	0.430	2.316	0.637	0.000	18.312	18.949	0.468	27.766	1.891	1.891	0.000	0.061	0.417	15.674	355.935	27.298	11.898	10.755	4.00	10.325	-5.348
24	8.897	20.358	0.379	2.197	0.696	0.000	17.782	18.478	0.540	27.389	1.891	1.891	0.000	0.061	0.417	15.203	355.875	26.615	11.974	10.736	4.00	10.307	-4.896
25	8.918	20.313	0.331	2.285	0.630	0.000	17.897	18.327	0.540	27.155	1.891	1.891	0.000	0.061	0.107	14.742	355.815	26.615	11.558	10.821	4.00	10.388	-4.354
26	9.376	21.188	0.374	2.228	0.636	0.000	16.586	19.222	0.263	28.225	1.891	1.891	0.000	0.061	0.250	15.780	355.740	27.962	12.182	11.149	4.00	10.703	-5.077
27	9.850	19.091	0.378	2.076	0.616	0.000	16.637	17.253	0.120	26.607	1.891	1.891	0.000	0.061	1.094	14.655	355.585	26.487	12.097	10.994	4.00	10.554	-4.101
28	9.829	19.612	0.397	2.083	0.623	0.000	17.132	17.755	0.120	27.081	1.891	1.891	0.000	0.060	0.416	14.470	355.440	26.961	12.273	10.979	3.75	10.567	-3.904
Total	283.863	540.821	12.108	61.198	18.124	2.310	467.515	483.329	16.940	768.318	60.750	62.409	4.390	0.974	8.952	369.100		751.378	323.275	303.749	3.77	291.053	-78.047

Max Unrestricted Demand: 29.541 MU Average Demand :- 24.784 MU Max Demand: 29.541 MU


 DGM/EE (SLDC)
 PTCUL, UTTARAKHAND.