

THE MONTH OF DECEMBER -2006

( 1 ) STATION WISE MAX MW. ENERGY GENERATION AND AUXILIARY CONSUMPTION:-

NO	STATION	MAX MW	GEN.MWH	AUX. MWH
1	UKAI(HYDRO)+LBC	305	58058	143
2	KADANA(HYDRO)+PANAM	78	14990	124
3	DHUVARAN	251	154599	16741
4	DHUVARAN(GSEC)	60	266	463
5	UKAI(TH)	673	403991	36038
6	GANDHINAGAR	761	482482	54370
7	WANAKBORI	1474	1024894	75189
8	SIKKA	236	138313	14172
9	PANANDHRO	219	111171	12029
10	UTRAN	145	101984	5029
11	AECO	512	286563	20600
12	GIPCL-I	156	90106	1586
13	GIPCL-II	161	108127	2180
14	SURAT LIGNITE AKRIMOTA	254	180192	19960
15	LIGNITE	105	35054	8034
16	GPEC	650	408140	6700
17	ESSAR POWER	515	348387	10381
18	GSEG	156	101943	2395
19	CPP		25108	
20	KAWAS		218712	
21	KAKARAPAR		128018	
22	JHANOR		355434	
23	FROM AMBHETI		153372	
24	FROM TARAPUR		69315	
25	FROM NASHIK		-17157	
26	FROM INDORE		289035	
27	FROM SSP		378391	
<b>TOTAL</b>			<b>5649488</b>	<b>286135</b>

( 2 ) MAXIMUM CATERED. RESTRICTED & UNRESTRICTED DEMAND:-

	MAXIMUM CATERED	MINIMUM CATERED	MAXIMUM RESTRICTED	MAXIMUM UNRESTRICTED
MAXIMUM MW	8538	6490	12007	12047
TIME	12.00	23.00	19.30	19.30
DATE	22/12/2006	12/12/2006	20/12/2006	20/12/2006
FREQ (Hz)	49.12	49.42	49.09	49.09
CATERED MW	8538	6490	7949	7949
GUJ GEN MW	6138	5068	5699	5699
FLOW MW	2400	1422	2250	2250
LOAD SHEDDING	2323	3577	3805	3805
FREQ CORRECTION	263	132	253	253
DEMAND CUT	0	0	0	0
HOLIDAY STAGGERING	0	0	0	0
RECESS STAGGERING	0	0	0	40

## (3) THE UNIT WISE GENERATION &amp; AUXILIARY CONSUMPTION:-

UNIT	GEN.	AUX.	MAX	UNIT	GEN.	AUX.	MAX
DTPS 1	0	584	0	UHPS 1	12814		75
DTPS 2	0	18	0	UHPS 2	22199		75
DTPS 3	2871	710	21	UHPS 3	0		75
DTPS 4	22837	2522	43	UHPS 4	19226	135	75
DTPS 5	66320	6621	107	ULBC 1	1905		3
DTPS 6	62571	6286	108	ULBC 2	1914	8	3
DTPS-GT -1	0	301	0				
DTPS-GT-2*	266	161	60				
DTPS-ST				UGPP GT1	21295		31
				UGPP GT2	22380		32
GTPS 1	50078	5571	93	UGPP GT3	22140		32
GTPS 2	58854	5979	94	UGPP ST	36169	5029	51
GTPS 3	95010	12861	185				
GTPS 4	126640	15821	190	GIPCL GT1	18930	1586	35
GTPS 5	151900	14138	212	GIPCL GT2	19642		36
				GIPCL GT3	19382		35
WTPS 1	155122		210	GIPCL ST1	32152		156
WTPS 2	149100		210	GIPCL GT4	71994	2180	52
WTPS 3	143805		210	GIPCL ST2	36133		161
WTPS 4	116569		210				
WTPS 5	155560		210	AECO C	44661	3493	63
WTPS 6	150935		210	AECO D	39510	3137	124
WTPS 7	153803	75189	214	AECO E	82026	6904	113
				AECO F	83115	6031	113
UTPS 1	0	483	0	AECO GT1	12453	1036	38
UTPS 2	45165	4904	82	AECO GT2	11902		38
UTPS 3	117810	10236	195	AECO STG	12897		33
UTPS 4	125460	10657	195				
UTPS 5	115556	9758	210	ESSAR GT1	72505		110
				ESSAR GT2	73937		110
STPS 1	52700	5476	117	ESSAR GT3	75873		110
STPS 2	85613	8696	120	ESSAR SGT	126072	10381	185
KLTPS 1	28608	12029	72	GPEC GT1	67420	160	147
KLTPS 2	32697		74	GPEC GT2	97510	3370	140
KLTPS 3	49866		77	GPEC GT3	98530	3170	141
				GPEC STG	144680		228
KHPS 1	3620	34	60				
KHPS 2	10342	56	60	SLPP 1	89109	8091	127
KHPS 3	0	0	0	SLPP 2	91083	11869	129
KHPS 4	420	33	60				
PANAM	608	1	1	GSEG 1	32935	911	52
				GSEG 2	33133	1484	51
ALPP 1	1439	8034	76	GSEG ST	35875		53
ALPP 2	33615		105				
				CPP	25108		

## (3A) ENERGY LOSSES DUE TO LOAD SHEDDING

1197221 MWH

A..NET EXPORT TO DIU

2636 MWH

B..NET EXPORT TO DAMAN

116201 MWH

C..NET EXPORT TO DNH

253263 MWH

D..FROM ESSAR TO GEB

201512 MWH

E..Ukai Dam Level on first day

333 on last

year

331

F..Kadana Dam Level on first day

417 on last

year

411

\*The station DGB-2 is still not declared for commercial operation, the energy considered for matching total energy only.

(4) ENERGY EXCHANGE

(1)	NET EXPORT TO GUJARAT	FROM TARAPUR BUS	69315.12
(2)	NET EXPORT TO GUJARAT	FROM AMBHETI(PG) BUS	153372
(3)	A . . EXPORT FROM MAHARASTRA TO GUJARAT	AT NASIK BUS	11573
	B . . EXPORT FROM GUJARAT TO MAHARASTRA	AT NAVSARI BUS	28730
	C . . NET EXPORT FROM MAHARASTRA TO GUJARAT		-17157
(4)	A . . EXPORT FROM M.P. TO GUJARAT	AT INDORE BUS	289035
	B . . EXPORT FROM GUJARAT TO M.P.	AT ASOJ BUS	0
	C . . NET EXPORT FROM M.P. TO GUJARAT		289035
(5)	NET EXPORT FROM KAWAS	TO GUJARAT	218712
(6)	NET EXPORT FROM KAKARAPAR	TO GUJARAT	128018
(7)	NET EXPORT FROM JHANOR	TO GUJARAT	355434
(8)	NET EXPORT FROM SSP	TO ASOJ	150309
(9)	NET EXPORT FROM SSP	TO KASOR	228082

(5) STATUS OF INTER-STATE LINES

LINES	PLAN OUTAGE	FORCE OUTAGE	OTHER REASON	TTL HRS OUTAGE	TTL HRS SERVICE
1 400 KV ASOJ-INDORE -1	0.00	0.00	0.00	0.00	744
2 400 KV ASOJ-INDORE -2	0.00	0.00	0.00	0.00	744
3 400 KV ASOJ-SSP	0.00	0.00	0.00	0.00	744
4 400 KV KASOR-SSP	0.00	0.00	0.00	0.00	744
5 220 KV NAVSARI-NASIK -1	0.00	0.00	0.00	0.00	744
6 220 KV NAVSARI-NASIK -2	0.00	0.00	0.00	0.00	744
7 220 KV TARAPUR-BHILAD	9.14	2.05	0.00	11.19	732.41
8 220 KV TARAPUR-VAPI	0.00	0.00	0.00	0.00	744
9 220 KV AMBHETI-BHILAD	8.37	11.26	0.00	20.03	723.57
10 220 KV AMBHETI(PG)-VAPI	14.17	0.00	0.00	14.17	729.43
11 NO OF HRS GUJARAT- MAHARASTRA IN PARALLEL					744
12 NO OF HRS GUJARAT- MADHYA PRADESH IN PARALLEL					744

(6) FREQUENCY PARTICULARS

A . AVERAGE FREQUENCY			49.29	HZ	
B . ABOVE 50.20 Hz			0.05	%	
C . BETWEEN 50.20 & 49.80 Hz			3.74	%	
D . BETWEEN 49.80 & 49.50 Hz			14.85	%	
E . BETWEEN 49.50 & 49.00 Hz			68.54	%	
F . BETWEEN 49.00 & 48.50 Hz			12.86	%	
G . BETWEEN 48.50 & 48.00 Hz			0	%	
H . BELOW 48.00 Hz			0	%	
K . AVERAGE MAX FREQUENCY	50.03	ON	4/12/2006	AT	2.00 HRS.
L . AVERAGE MIN FREQUENCY	48.92	ON	28/12/2006	AT	8.00 HRS
M . INSTANT MAX FREQUENCY	50.34	ON	4/12/2006	AT	22.00 HRS
N . INSTANT MIN FREQUENCY	48.68	ON	21/12/2006	AT	5.49 HRS

ACTUAL GENERATION AND PEAK MW FOR DECEMBER-06 FOR  
GUJARAT :-

	ENERGY (MWH)	PEAK (MW)
A HYDRO :-		
1 UKAI	54239	300
2 UKAI LBC	3819	5
3 KADANA	14382	60
4 PANAM	608	1
TOTAL HYDRO	73048	167
B THERMAL :-		
1 AECO C	44661	63
AECO D	39510	124
AECO E	82026	113
AECO F	83115	113
AECO GAS	37252	75
DHUVARAN (Steam)	154599	251
DHUVARAN (gas)	266	60
UKAI 1	0	0
UKAI 2	45165	82
UKAI 3	117810	195
UKAI 4	125460	195
UKAI 5	115556	210
GANDHINAGAR 1	50078	93
GANDHINAGAR 2	58854	94
GANDHINAGAR 3	95010	185
GANDHINAGAR 4	126640	190
GANDHINAGAR 5	151900	212
WANAKBORI 1	155122	210
WANAKBORI 2	149100	210
WANAKBORI 3	143805	210
WANAKBORI 4	116569	210
WANAKBORI 5	155560	210
WANAKBORI 6	150935	210
WANAKBORI 7	153803	214
SIKKA	138313	236
KUTCH LIGNITE	111171	219
UTRAN	101984	145
GIPCL-1	90106	156
GIPCL-2	108127	161
SURAT LIGNITE	180192	254
AKRIMOTA LIGNITE	35054	105
ESSAR POWER	348387	515
GPEC	408140	650
GSEG	101943	156
CPP	25108	107
C TOTAL (TH)	4001320	5940
D TOTAL (TH+ HY)	4074368	6142
E NET EXCHANGE	1575120	2531
RESTRICTED ENERGY REQ.	6987099	
UNRESTRICTED ENERGY REQ.	6987099	
AUXILIARY CONSP. (HY+TH)	286135	
IMPORT/EXPORT- INTRASTATE/INTERSTATE REGION		
AND OPERATING HOURS OF IE LINES.....PAGE 3		
CATERED DEMAND.....PAGE 1		
UNRESTRICTED DEMAND.....PAGE 1		

**400KV BUS VOLTAGE**

<b>ASOJ</b>		<b>INDORE</b>		<b>JETPUR</b>		<b>UKAI</b>	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
421	385	426	380	417	346**	420	398

<b>WANAKBORI</b>		<b>SOJA</b>		<b>CHORANIA</b>		<b>KANSARI</b>	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
419	400	418	392	420.	375	412	386

**220KV BUS VOLTAGE**

<b>Anjar</b>		<b>Mahesana</b>		<b>Chhatral</b>		<b>Dhansura</b>		<b>Ranasan</b>		<b>Viramgam</b>	
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
235	215	227	214	225	213	224	202	222	207	227	198

<b>Limbdi</b>		<b>Dhangadhra</b>		<b>Gondal</b>		<b>Ranavav</b>		<b>Vartej</b>		<b>Timbdi</b>	
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
234	211	229	201	235	200	228	195	225	195	225	185

**GUJARAT ENERGY TRANSMISSION CORPORATION LTD , STATE LOAD DESPATCH CENTRE , GOTRI  
ACCOUNTING OF LOSS OF GENERATION IN GUJARAT FOR DEC-2006**

Station	Installed capacity (MW)	Maximum possible monthly gen. at 100% PLF	Actual generation during month	Loss of generation due to								Total (generation & losses)	Remarks
				Fuel supply / water shortage	Low demand / high freq.	Trans-mission const.	Comme rcial reasons	Grid distur bance	Auxiliary problems	RSD	Other reasons		
<b>THERMAL POWER STATIONS:-</b>													
DHUVARAN	534.000	397.296	154.599	0.000	3.622	0.000	0.000	0.000	63.464	0.000	175.611	397.296	
UKAI	850.000	632.400	403.991	0.000	0.000	0.000	0.000	0.000	0.870	0.000	227.539	632.400	
GANDHINAGAR	870.000	647.280	482.482	0.000	0.000	0.000	0.000	0.000	107.113	0.000	57.685	647.280	
WANAKNBORI	1470.000	1093.680	1024.894	0.000	0.000	0.000	0.000	-0.288	3.670	0.000	65.404	1093.680	
SIKKA	240.000	178.560	138.313	0.000	0.000	0.000	0.000	0.000	6.283	0.000	33.964	178.560	
PANANDHRO	215.000	159.960	111.171	0.000	0.000	0.000	0.000	0.000	5.950	0.000	42.839	159.960	
A.E.CO.	400.000	297.600	249.312	0.000	0.253	0.000	0.000	0.000	3.239	0.000	50.484	303.288	5.6877 Mu's more
SURAT LIGNITE	250.000	186.000	180.192	0.000	0.000	0.000	0.000	0.000	5.808	0.000	0.000	186.000	
<b>TOTAL</b>	<b>4829.000</b>	<b>3592.776</b>	<b>2744.954</b>	<b>0.000</b>	<b>3.875</b>	<b>0.000</b>	<b>0.000</b>	<b>-0.288</b>	<b>196.397</b>	<b>0.000</b>	<b>653.526</b>	<b>3598.464</b>	
<b>GAS STATION:-</b>													
A.E.CO.	100.000	74.400	37.252	16.357	0.000	0.000	0.000	0.000	0.050	0.000	20.782	74.440	0.0399 Mu's more
UTRAN	135.000	100.440	101.984	0.000	2.227	0.000	0.000	0.000	0.000	0.000	1.609	105.820	5.38 Mu's more
DHUVARAN	106.617	79.323	0.000	0.000	0.000	0.000	0.000	0.000	79.323	0.000	0.000	79.323	
<b>TOTAL</b>	<b>341.617</b>	<b>254.163</b>	<b>139.236</b>	<b>16.357</b>	<b>2.227</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>79.373</b>	<b>0.000</b>	<b>22.391</b>	<b>259.583</b>	









