

MONTH OF JANUARY-2007

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

NO	STATION	MAX MW	GEN.MWH	AUX. MWH
1	UKAI(HYDRO)+LBC	230	45122	128
2	KADANA(HYDRO)+PANAM	121	30195	108
3	DHUVARAN	249	112131	11130
4	DHUVARAN(GSEC)	0	0	308
5	UKAI(TH)	676	424677	36043
6	GANDHINAGAR	749	526642	57269
7	WANAKBORI	1466	942612	69275
8	SIKKA	235	129410	13453
9	PANANDHRO	218	150657	16775
10	UTRAN	146	100219	4802
11	AECO	501	317153	21993
12	GIPCL-I	156	68397	1255
13	GIPCL-II	160	96374	2109
	SURAT			
14	LIGNITE	254	165305	18388
15	AKRIMOTA LIGNITE	111	11099	4035
16	GPEC	658	401420	6550
17	ESSAR POWER	515	290985	8671
18	GSEG	157	107489	2493
19	CPP	107	30505	
20	KAWAS		307860	
21	KAKARAPAR		190100	
22	JHANOR		302730	
23	FROM AMBHETI		127800	
24	FROM TARAPUR		78857	
25	FROM NASHIK		-19103	
26	FROM INDORE		268646	
27	FROM SSP		272539	
	<b>TOTAL</b>		<b>5479821</b>	<b>274783</b>

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

	MAXIMUM CATERED	MINIMUM CATERED	MAXIMUM RESTRICTED	MAXIMUM UNRESTRICTED
MAXIMUM MW	8084	5903	10575	10615
TIME	11	5	20	20
DATE	39114	15/1/2007	22/1/2007	22/1/2007
FREQ (Hz)	49.01	49.32	48.99	48.99
CATERED MW	8084	5903	7662	7662
GUJ GEN MW	5770	4788	5364	5364
FLOW MW	2314	1115	2298	2298
LOAD SHEDDING	1755	1603	2642	2642
FREQ CORRECTION	280	140	271	271
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	536	0	UHPS 1	5913		75
DTPS 2	0	8	0	UHPS 2	9731		75
DTPS 3	0	424	0	UHPS 3	17949		75
DTPS 4	25928	2445	42	UHPS 4	7977	120	75
DTPS 5	11539	1302	101	ULBC 1	1774.6		2.56
DTPS 6	74664	6415	109	ULBC 2	1777.3	7.782	2.56
DTPS-GT -1	0	184.8	0				
DTPS-GT-2*	0	122.7	0				
DTPS-ST	0		0	UGPP GT1	21100		32
				UGPP GT2	22185		33
GTPS 1	64525	6692.2	95	UGPP GT3	20749		33
GTPS 2	66938	6116	93	UGPP ST	36185	4801.5	51
GTPS 3	116220	14976.67	180				
GTPS 4	127880	15697	190	GIPCL GT1	13901		36
GTPS 5	151079	13787	210	GIPCL GT2	13549		37
				GIPCL GT3	17419		35
WTPS 1	144356		210	GIPCL ST1	23528	1254.5	52
WTPS 2	149425		210	GIPCL GT4	63722		108
WTPS 3	139885		205	GIPCL ST2	32652	2109	52
WTPS 4	42361		210				
WTPS 5	154955		210	AECO C	43729.9	3463	63.2
WTPS 6	154850		210	AECO D	89630.2	6313	124.4
WTPS 7	156780	69275	211	AECO E	58210.5	5290.8	114.4
				AECO F	83015.9	5846.7	113.2
UTPS 1	0	468	0	AECO GT1	14545.7		38
UTPS 2	56050	5587	83	AECO GT2	13831.2		34
UTPS 3	129735	10709	193	AECO STG	14189.4	1079.684	33.2
UTPS 4	92410	7654	195				
UTPS 5	146482	11625	210	ESSAR GT1	65743.5		110
				ESSAR GT2	55389.77		110
STPS 1	81402	8642	115	ESSAR GT3	64476.98		110
STPS 2	48008	4811	120	ESSAR SGT	105375.2	8671.367	185
KLTPS 1	51356	16775	73	GPEC GT1	74910	2560	142.16
KLTPS 2	46837		76	GPEC GT2	92450	770	141.75
KLTPS 3	52464		73	GPEC GT3	88340	3220	143.97
				GPEC STG	145720		229.11
KHPS 1	21385	38.13	60				
KHPS 2	6101	41.33	60	SLPP 1	83450	7728.517	127
KHPS 3	0	0	0	SLPP 2	81855	10659.08	128
KHPS 4	2099	26.23	60				
PANAM	610	2.2	1	GSEG 1	34554	1370	52.5
				GSEG 2	35392	1123	52.1
ALPP 1	0		0	GSEG ST	37543	0	52.8
ALPP 2	11099	4035	111				
				CPP	30505		107

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

864747 MWH

A .. NET EXPORT TO DIU	2368.49	MWH
B .. NET EXPORT TO DAMAN	115383.8	MWH
C .. NET EXPORT TO DNH	251669.9	MWH
D .. FROM ESSAR TO GEB	147128	MWH
E .. Ukai Dam Level on first day	327.32	on last year
F .. Kadana Dam Level on first day	411.11	on last year

\*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	78857
(2)	NET EXPORT TO GUJARAT	FROM AMBHETI(PG) BUS	127800
(3)	A .. EXPORT FROM MAHARASTRA TO GUJARAT	AT NASIK BUS	11947
	B .. EXPORT FROM GUJARAT TO MAHARASTRA	AT NAVSARI BUS	31050
	C .. NET EXPORT FROM MAHARASTRA TO GUJARAT		-19103
(4)	A .. EXPORT FROM M.P. TO GUJARAT	AT INDORE BUS	268710
	B .. EXPORT FROM GUJARAT TO M.P.	AT ASOJ BUS	64
	C .. NET EXPORT FROM M.P. TO GUJARAT		268646
(5)	NET EXPORT FROM KAWAS	TO GUJARAT	307860
(6)	NET EXPORT FROM KAKARAPAR	TO GUJARAT	190100
(7)	NET EXPORT FROM JHANOR	TO GUJARAT	302730
(8)	NET EXPORT FROM SSP	TO ASOJ	84349
(9)	NET EXPORT FROM SSP	TO KASOR	188190

## (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	0.59	0	0	0.59	743.01
2	400 KV ASOJ-INDORE -2	11.5	0	0	11.5	732.1
3	400 KV ASOJ-SSP	13.15	1.57	0	15.12	728.48
4	400 KV KASOR-SSP	0	2.43	0	2.43	741.17
5	220 KV NAVSARI-NASIK -1	8.35	0	0	8.35	735.25
6	220 KV NAVSARI-NASIK -2	8.36	0.35	0	9.11	734.49
7	220 KV TARAPUR-BHILAD	17.4	0	0	17.4	726.2
8	220 KV TARAPUR-VAPI	18.48	27.32	0	46.2	697.4
9	220 KV AMBHETI-BHILAD	7.44	0	0	7.44	736.16
10	220 KV AMBHETI(PG)-VAPI	8.07	2.26	0	10.33	733.27
11	NO OF HRS GUJARAT-MAHARASTRA	IN	PARALLEL			735
12	NO OF HRS GUJARAT-MADHYA PRADESH	IN	PARALLEL			743

## (6) FREQUENCY PARTICULARS

A .	AVERAGE FREQUENCY		49.13	HZ	
B .	ABOVE 50.20 Hz		0.02	%	
C .	BETWEEN 50.20 & 49.80 Hz		1.01	%	
D .	BETWEEN 49.80 & 49.50 Hz		6.36	%	
E .	BETWEEN 49.50 & 49.00 Hz		58.64	%	
F .	BETWEEN 49.00 & 48.50 Hz		33.97	%	
G .	BETWEEN 48.50 & 48.00 Hz		0	%	
H .	BELOW 48.00 Hz		0	%	
K .	AVERAGE MAX FREQUENCY	49.9	ON	1/1/2007	AT 23 HRS
L .	AVERAGE MIN FREQUENCY	48.83	ON	20/1/2007	AT 6 HRS
M .	INSTANT MAX FREQUENCY	50.29	ON	26/1/2007	AT 17.1 HRS
N .	INSTANT MIN FREQUENCY	48.59	ON	20/1/2007	AT 7.19 HRS

ACTUAL GENERATION AND PEAK MW FOR JANUARY-07 FOR  
GUJARAT :-

	ENERGY (MWH)	PEAK (MW)
A HYDRO :-		
1 UKAI	41570	225
2 UKAE LBCH	3551.9	5.12
3 KADANA	29585	120
4 PANAM	610	1
TOTAL HYDRO	75316.9	225
B THERMAL :-		
1 AECO C	43729.9	63.2
AECO D	89630.2	124.4
AECO E	58210.5	114.4
AECO F	83015.9	113.2
AECO GAS	42566.3	72
DHUVARAN (Steam)	112131	249
DHUVARAN (gas)	0	0
UKAI 1	0	0
UKAI 2	56050	83
UKAI 3	129735	193
UKAI 4	92410	195
UKAI 5	146482	210
GANDHINAGAR 1	64525	95
GANDHINAGAR 2	66938	93
GANDHINAGAR 3	116220	180
GANDHINAGAR 4	127880	190
GANDHINAGAR 5	151079	210
WANAKBORI 1	144356	210
WANAKBORI 2	149425	210
WANAKBORI 3	139885	205
WANAKBORI 4	42361	210
WANAKBORI 5	154955	210
WANAKBORI 6	154850	210
WANAKBORI 7	156780	211
SIKKA	129410	235
KUTCH LIGNITE	150657	218
UTRAN	100219	146
GIPCL-1	68397	156
GIPCL-2	96374	160
SURAT LIGNITE	165305	254
AKRIMOTA LIGNITE	11099	111
ESSAR POWER	290985.5	515
GPEC	401420	657.9
GSEG	107489	157.4
CPP	30505	107
C TOTAL (TH)	3875075	5830
D TOTAL (TH+ HY)	3950392	5890
E NET EXCHANGE	1529429	2372
RESTRICTED ENERGY REQ.	6511429	
UNRESTRICTED ENERGY REQ.	6511429	
AUXILIARY CONSP. (HY+TH)	274783.2	
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
416	389	428	390	416	365	420	385

<b>WANAKBORI</b>		<b>SOJA</b>		<b>CHORANIA</b>		<b>KANSARI</b>	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
418	404	412	396	420	383	410	385

**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
234	218	228	212	224	214	224	217	220	205	225	201

<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
233	212	231	207	237	205	227	204	225	203	224	194

**GUJARAT ENERGY TRANSMISSION CORPORATION LTD , STATE LOAD DESPATCH CENTRE , GOTRI**

**ACCOUNTING OF LOSS OF GENERATION IN GUJARAT FOR JAN-2007**

Station	Installed	Maximum	Actual	Loss of generation due to			Comme	Grid	Auxiliary	RSD	Other	Total	Remarks
	capacity	possible	generation	Fuel supply	Low demand	Trans-							
	(MW)	monthly gen. at 100% PLF	during month	/ water shortage	/ high freq.	mission const.	reasons	bance				& losses)	
<b>THERMAL POWER STATIONS:-</b>													
DHUVARAN	534	397	112	0	1	0	0	0	45	0	238	397	
UKAI	850	632	425	0	0	0	0	0	1	0	207	632	
GANDHINAGAR	870	647	527	0	0	0	0	0	116	0	4	647	
WANAKNBORI	1470	1094	943	0	0	0	0	-1	0	0	151	1094	
SIKKA	240	179	129	0	0	0	0	0	7	0	42	179	
PANANDHRO	215	160	151	0	0	0	0	0	3	0	6	160	
A.E.CO.	400	298	275	0	3	0	0	0	1	0	26	305	6.9135 Mu's More
SURAT LIGNITE	250	186	165	0	0	0	0	0	0	0	21	186	
<b>TOTAL</b>	<b>4829</b>	<b>3593</b>	<b>2726</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>-1</b>	<b>174</b>	<b>0</b>	<b>695</b>	<b>3600</b>	
<b>GAS STATION:-</b>													
A.E.CO.	100	74	43	20	0	0	0	0	1	0	11	75	0.4954 Mu's More
UTRAN	135	100	99	2	1	1	0	0	0	0	3	106	5.535 Mu's More
DHUVARAN	107	79	0	0	0	0	0	0	79	0	0	79	
<b>TOTAL</b>	<b>342</b>	<b>254</b>	<b>142</b>	<b>23</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>14</b>	<b>260</b>	











