

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

NO	STATION	MAX MW	GEN.MWH	AUX. MWH
1	UKAI(HYDRO)+LBC	229	49995	138.268
2	KADANA(HYDRO)+PANAM	122	16706	111.38
3	DHUVARAN	258	142768	14188
4	DHUVARAN(GSEC)	0	0	292.4
5	UKAI(TH)	680	366350	32543
6	GANDHINAGAR	774	527592	59129.9
7	WANAKBORI	1471	1055318	79519
8	SIKKA	233	153874	16560
9	PANANDHRO	219	150916	17658
10	UTRAN	146	97600	5035
11	AECO	513.6	320016	22495.77
12	GIPCL-I	162	108751	1891
13	GIPCL-II	110	2402	77
14	SURAT LIGNITE	256	150429	16760.1
15	AKRIMOTA LIGNITE	255	103104	16791
16	GPEC	643.28	400360	6880
17	ESSAR POWER	515	342518	10234.452
18	GSEG	156.3	77163	1813
19	CPP	86	39157	
20	KAWAS		398502	
21	KAKARAPAR		198261	
22	JHANOR		289473	
23	FROM AMBHETI		138288	
24	FROM TARAPUR		53794	
25	FROM NASHIK		-48450	
26	FROM INDORE		355530	
27	FROM SSP		195200	
<b>TOTAL</b>			<b>5685618</b>	<b>302117.27</b>

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

	MAXIMUM CATERED	MINIMUM CATERED	MAXIMUM RESTRICTED	MAXIMUM UNRESTRICTED
MAXIMUM MW	8437	5256	10753	10793
TIME	23	18	21	21
DATE	30/3/2007	4/3/2007	30/3/2007	30/3/2007
FREQ (Hz)	49.07	50.18	49.22	49.22
CATERED MW	8437	5256	8259	8259
GUJ GEN MW	5987	4072	5943	5943
FLOW MW	2450	1184	2316	2316
LOAD SHEDDING	1847	1824	2269	2269
FREQ CORRECTION	275	-33	225	225
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	516	0	UHPS 1	10835		75
DTPS 2	0	0	0	UHPS 2	10223		75
DTPS 3	0	322	0	UHPS 3	13054	129	75
DTPS 4	13397	1673	40	UHPS 4	12805		75
DTPS 5	63534	5956	111	ULBC 1	1539		2
DTPS 6	65837	5721	110	ULBC 2	1539	9	2
DTPS-GT -1	0	185	0				
<b>DTPS-GT-2*</b>	<b>0</b>	<b>108</b>	<b>0</b>				
DTPS-ST				UGPP GT1	21195	5035	32
				UGPP GT2	20833	0	33
GTPS 1	65272	7165	93	UGPP GT3	20665	0	31
GTPS 2	59820	6053	94	UGPP ST	34907	0	50
GTPS 3	120720	15357	195				
GTPS 4	127040	16095	197	GIPCL GT1	22861		36
GTPS 5	154740	14460	210	GIPCL GT2	24961		37
				GIPCL GT3	23717		36
WTPS 1	140896		210	GIPCL ST1	37212	1891	53
WTPS 2	154026		210	GIPCL GT4	2210		72
WTPS 3	149220		210	GIPCL ST2	192	77	38
WTPS 4	153180		210				
WTPS 5	150320		210	AECO C	45126	3647	63
WTPS 6	151995		210	AECO D	86403	6280	123
WTPS 7	155681	79519	211	AECO E	82754	7086	113
				AECO F	53451	4102	114
UTPS 1	0	156	0	AECO GT1	18044	1380	37
UTPS 2	50880	5019	82	AECO GT2	15169	0	32
UTPS 3	123662	11377	195	AECO STG	19069	0	34
UTPS 4	38006	3751	200				
UTPS 5	153802	12240	210	ESSAR GT1	70609	10234	110
				ESSAR GT2	73124	0	110
STPS 1	72511	7957	114	ESSAR GT3	75197	0	110
STPS 2	81363	8603	120	ESSAR SGT	123589	0	185
KLTPS 1	46948	17658	73	GPEC GT1	83270	2870	140
KLTPS 2	50227		72	GPEC GT2	80470	620	140
<b>KLTPS 3</b>	<b>53741</b>		<b>76</b>	<b>GPEC GT3</b>	<b>86750</b>	3390	143
				GPEC STG	149870	0	229
KHPS 1	6640	33	60				
KHPS 2	6065	44	60	SLPP 1	70521	6728	129
KHPS 3	0	0	0	SLPP 2	79908	10032	129
KHPS 4	3668	30	60				
PANAM	333	4	2	GSEG 1	20481	1307	53
				GSEG 2	29880	506	52
ALPP 1	49350	16791	132	GSEG ST	26802	0	52
ALPP 2	53754	0	130				
				CPP	39157		86

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

	735390	MWH
A .. NET EXPORT TO DIU	2821.55	MWH
B .. NET EXPORT TO DAMAN	119624	MWH
C .. NET EXPORT TO DNH	258813	MWH
D .. FROM ESSAR TO GEB	189782	MWH
E .. Ukai Dam Level on first day	<b>320.85</b>	on last year
F .. Kadana Dam Level on first day	<b>408.11</b>	on last year
	<b>317.89</b>	
	<b>406.1</b>	

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

**(4) ENERGY EXCHANGE**

	MWH
(1) NET EXPORT TO GUJARAT FROM TARAPUR BUS	53794.24
(2) NET EXPORT TO GUJARAT FROM AMBHETI(PG) BUS	138288
(3) A.. EXPORT FROM MAHARASHTRA TO GUJARAT AT NASIK BUS	479.988
B.. EXPORT FROM GUJARAT TO MAHARASHTRA AT NAVSARI BUS	48930
C.. NET EXPORT FROM MAHARASHTRA TO GUJARAT	-48450
(4) A.. EXPORT FROM M.P. TO GUJARAT AT INDORE BUS	355530
B.. EXPORT FROM GUJARAT TO M.P. AT ASOJ BUS	0
C.. NET EXPORT FROM M.P. TO GUJARAT	355530
(5) NET EXPORT FROM KAWAS TO GUJARAT	398502
(6) NET EXPORT FROM KAKARAPAR TO GUJARAT	198261
(7) NET EXPORT FROM JHANOR TO GUJARAT	289473
(8) NET EXPORT FROM SSP TO ASOJ	26728
(9) NET EXPORT FROM SSP TO KASOR	168472

**(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	1.15	0	1.15	742.45
2 400 KV ASOJ-INDORE -2	0	2.15	0	2.15	741.45
3 400 KV ASOJ-SSP	0	0	0	0	744
4 400 KV KASOR-SSP	0	0	0	0	744
5 220 KV NAVSARI-NASIK -1	10.13	0	5.12	15.25	728.35
6 220 KV NAVSARI-NASIK -2	9.33	0	0	9.33	734.27
7 220 KV TARAPUR-BHILAD	0	0	0	0	744
8 220 KV TARAPUR-VAPI	0	0.27	0	0.27	743.33
9 220 KV AMBHETI-BHILAD	0	0	0	0	744
10 220 KV AMBHETI(PG)-VAPI	0	0	0	0	744
11 NO OF HRS GUJARAT- MAHARA STRA IN PARALLEL					744
12 NO OF HRS GUJARAT- MADHYA PRADESH IN PARALLEL					742.45

**(6) FRQUENCY PARTICULARS**

A . AVERAGE FRQUENCY	49.61	HZ			
B . ABOVE 50.20 Hz	4.06	%			
C . BETWEEN 50.20 & 49.80 Hz	26.47	%			
D . BETWEEN 49.80 & 49.50 Hz	28.72	%			
E . BETWEEN 49.50 & 49.00 Hz	38.12	%			
F . BETWEEN 49.00 & 48.50 Hz	2.62	%			
G . BETWEEN 48.50 & 48.00 Hz	0	%			
H . BELOW 48.00 Hz	0	%			
K . AVERAGE MAX FRQUENCY	50.39	ON	13/3/2007	AT	0 HRS
L . AVERAGE MIN FRQUENCY	49.05	ON	17/3/2007	AT	19 HRS
M . INSTANT MAX FRQUENCY	50.7	ON	39144	AT	18.05 HRS
N . INSTANT MIN FRQUENCY	48.76	ON	28/3/2007	AT	11.05 HRS

ACTUAL GENERATION AND PEAK MW FOR MARCH-07		FOR GUJARAT :-	
A	HYDRO :-	ENERGY (MWH)	PEAK (MW)
1	UKAI	46917	225
2	UKAE LBCH	3078	4
3	KADANA	16373	120
4	PANAM	333	2
	TOTAL HYDRO	66701	225
B	THERMAL :-		
1	AECO C	45126	63
	AECO D	86403	123
	AECO E	82754	113
	AECO F	53451	114
	AECO GAS	52282	70
	DHUVARAN (Steam)	142768	258
	DHUVARAN (gas)	0	0
	UKAI 1	0	0
	UKAI 2	50880	82
	UKAI 3	123662	195
	UKAI 4	38006	200
	UKAI 5	153802	210
	GANDHINAGAR 1	65272	93
	GANDHINAGAR 2	59820	94
	GANDHINAGAR 3	120720	195
	GANDHINAGAR 4	127040	197
	GANDHINAGAR 5	154740	210
	WANAKBORI 1	140896	210
	WANAKBORI 2	154026	210
	WANAKBORI 3	149220	210
	WANAKBORI 4	153180	210
	WANAKBORI 5	150320	210
	WANAKBORI 6	151995	210
	WANAKBORI 7	155681	211
	SIKKA	153874	233
	KUTCH LIGNITE	150916	219
	UTRAN	97600	146
	GIPCL-1	108751	162
	GIPCL-2	2402	110
	SURAT LIGNITE	150429	256
	AKRIMOTA LIGNITE	103104	255
	ESSAR POWER	342518	515
	GPEC	400360	643
	GSEG	77163	156
	CPP	39157	107
C	TOTAL (TH)	4038318	6072
D	TOTAL (TH+ HY)	4105019	6115
E	NET EXCHANGE	1580598	2372
	RESTRICTED ENERGY REQ.	6498616	
	UNRESTRICTED ENERGY REQ.	6498616	
	AUXILIARY CONSP. (HY+TH)	302117	
	IMPORT/EXPORT- INTRASTATE/INTERSTATE REGION		
	AND OPERATING HOURS OF TIE LINES.....		PAGE 3
	CATERED DEMAND.....		PAGE 1
	UNRESTRICTED DEMAND.....		PAGE 1

## 400KV BUS VOLTAGE

ASOJ		INDORE		JETPUR		UKAI	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
416	394	422	386	416	375	418	398

WANAKBORI		SOJA		CHORANIA		KANSARI	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
417	400	409	392	422	389	407	382

## 220KV BUS VOLTAGE

Anjar		Mahesana		Chhatral		Dhansura		Ranasan		Viramgam	
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
233	218	226	211	225	213	223	214	225	213	233	206

Limbdī		Dhangadhra		Gondal		Ranavav		Vartej		Timbdī	
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
235	218	233	209	236	212	230	215	227	205	227	201

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

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

Station	Installed capacity (MW)	Maximum possible monthly gen. at 100% PLF	Actual generation during month	Loss of generation due to			Commerical reasons	Grid disturbance	Auxiliary problems	RSD	Other reasons	Total (generation & losses)	Remarks
				Fuel supply / water shortage	Low demand / high freq.	Transmission const.							
<b>THERMAL POWER STATIONS:-</b>													
DHUVARAN	534	397.296	142.768	0.000	9.712	0.000	0.000	0.000	58.448	2.994	183.374	397.296	
UKAI	850	632.400	366.350	0.000	0.975	0.000	0.000	0.000	1.086	0.000	263.989	632.400	
GANDHINAGAR	870	647.280	527.592	0.000	4.387	0.000	0.000	0.000	106.183	0.000	9.118	647.280	
WANAKNBORI	1470	1093.680	1054.717	0.000	11.040	0.000	0.000	0.000	0.280	0.000	27.643	1093.680	
SIKKA	240	178.560	153.874	0.000	1.867	0.000	0.000	0.000	14.638	0.000	8.181	178.560	
PANANDHRO	215	159.960	150.916	6.489	0.000	0.000	0.000	0.000	0.029	0.000	2.526	159.960	
A.E.CO.	400	297.600	267.734	0.000	26.615	0.000	0.000	0.000	0.888	0.000	3.252	298.489	0.8897 Mus more.
SURAT LIGNITE	250	186.000	150.429	0.000	0.000	0.000	0.000	0.000	0.000	0.000	35.571	186.000	
<b>TOTAL</b>	<b>4829</b>	<b>3592.776</b>	<b>2814.380</b>	<b>6.489</b>	<b>54.596</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>181.552</b>	<b>2.994</b>	<b>533.654</b>	<b>3593.665</b>	
<b>GAS STATION:-</b>													
A.E.CO.	100	74.400	52.282	22.037	0.000	0.000	0.000	0.000	0.031	0.000	0.160	74.509	0.1093Mus more.
UTRAN	135	100.440	97.600	0.657	1.399	0.000	0.000	0.000	0.000	1.612	3.460	104.728	4.288Mus more.
DHUVARAN	107	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>342</b>	<b>254.163</b>	<b>149.882</b>	<b>22.694</b>	<b>1.399</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>79.354</b>	<b>1.612</b>	<b>3.620</b>	<b>258.560</b>	

