

MONTH OF SEPTMBER -2006

DETAILS OF GENERATION, AUXILIARY CONSUMPTION

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

NO	STATION	MAX MW	GEN.MWH	AUX. MWH
1	UKAI(HYDRO)+LBC	305	170950	153
2	KADANA(HYDRO)+PANAM	181	113797	268
3	DHUVARAN	230	70275	9247
4	DHUVARAN(GSEC)	177	38928	1473
5	UKAI(TH)	744	374823	34370
6	GANDHINAGAR	470	261655	34085
7	WANAKBORI	1476	888222	68867
8	SIKKA	227	127697	13471
9	PANANDHRO	215	100981	11034
10	UTRAN	141	77863	3790
11	AECO	486	321747	23742
12	GIPCL-I	155	91448	1618
13	GIPCL-II	154	77570	1837
14	SURAT LIGNITE	252	120779	14402
15	AKRIMOTA LIGNITE	120	20254	2430
16	GPEC	541	371760	12990
17	ESSAR POWER	515	252393	7622
18	GSEG	147	79437	1866
19	CPP		30046	
20	KAWAS		216813	
21	KAKARAPAR		192884	
22	JHANOR		55739	
23	FROM AMBHETI		97716	
24	FROM TARAPUR		6437	
25	FROM NASHIK		-50773	
26	FROM INDORE		268824	
27	FROM SSP		474717	
TOTAL			4852983	243265

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

	MAXIMUM CATERED	MINIMUM CATERED	MAXIMUM RESTRICTED	MAXIMUM UNRESTRICTED
MAXIMUM MW	7912	5355	9462	9502
TIME	12.00	4	19.30	19.30
DATE	16	18	13	13
FREQ (Hz)	49.47	49.85	49.24	49.24
CATERED MW	7912	5355	7512	7512
GUJ GEN MW	5403	4486	5464	5464
FLOW MW	2509	869	2048	2048
LOAD SHEDDING	408	40	1750	1750
FREQ CORRECTION	147	28	200	200
DEMAND CUT	0	0	0	0
HOLIDAY STAGGERING	0	0	0	0
RECESS STAGGERING	0	0	0	40

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

UNIT	GEN.	AUX.	MAX	UNIT	GEN.	AUX.	MAX
DTPS 1	315	958	11	UHPS 1	41659	25	75
DTPS 2	0	27.00	0	UHPS 2	42167	32	75
DTPS 3	889	614	24	UHPS 3	40931	41	75
DTPS 4	8620	1835	38	UHPS 4	42482	49	75
DTPS 5	50777	4515	99	ULBC 1	1860	1	2.5
DTPS 6	9674	1298	102	ULBC 2	1851	5	2.5
DTPS-GT -1	30935	1251	107				
DTPS-GT-2*	7993	221.3	70				
DTPS-ST	0		0	UGPP GT1	10701		30
				UGPP GT2	20531		32
GTPS 1	37719	5135	83	UGPP GT3	18744		31
GTPS 2	52168	6024	85	UGPP ST	27887	3789.6	51
GTPS 3	0	604	0.00				
GTPS 4	109220	14269	170	GIPCL GT1	19293		35
GTPS 5	62548	8053	143	GIPCL GT2	20663		35
				GIPCL GT3	19980		35
WTPS 1	139885		211	GIPCL ST1	31512	1618	51
WTPS 2	132950		211	GIPCL GT4	50012		103
WTPS 3	120438		211	GIPCL ST2	27558	1837	52
WTPS 4	142955		209				
WTPS 5	144620		211	AECO C	41458	3564	61.1
WTPS 6	145930		211	AECO D	78922	5967	123
WTPS 7	61444	68867	212	AECO E	74950	6789	114
				AECO F	77421	6132	115
UTPS 1	9665	1565	82	AECO GT1	17279		28
UTPS 2	19255	2510	84	AECO GT2	13643	1290	25
UTPS 3	114780	10422	192	AECO STG	18075		30
UTPS 4	91545	8182	194				
UTPS 5	139578	11691	209	ESSAR GT1	55812	7622	110
				ESSAR GT2	43373		110
STPS 1	50273	5380	107	ESSAR GT3	60791		110
STPS 2	77424	8091	120	ESSAR SGT	92417		185
KLTPS 1	36937		72	GPEC GT1	90530	3850	137
KLTPS 2	17104	110034	70	GPEC GT2	79310	550	138
KLTPS 3	46940		76	GPEC GT3	66770	2100	137
				GPEC STG	135150	6490	228
KHPS 1	37963	75	60				
KHPS 2	36691	131	60	SLPP 1	31445	3261	126
KHPS 3	0	0	0	SLPP 2	89334	11141	130
KHPS 4	39134	55	60				
PANAM	9.4	6.9	1	GSEG 1	28685	1232	48
				GSEG 2	28725	634	47
**ALPP 1	20254	2430.48	120	GSEG ST	22027		50
ALPP 2	0	0	0				
				CPP	30046		

(3A) ENERGY LOSSES DUE TO LOAD SHEDDING

409860 MWH

A . . NET EXPORT TO DIU

3093.9 MWH

B . . NET EXPORT TO DAMAN

108103 MWH

C . . NET EXPORT TO DNH

208139 MWH

D . . FROM ESSAR TO GEB

120247 MWH

E . . Ukai Dam Level on first day

342.17 on last year 342.19

F . . Kadana Dam Level on first day

418.01 on last year 418.04

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

**ALPP Generation data taken from record & Aux. consumption taken as 12%, as no details received.

(4) ENERGY EXCHANGE

(1)	NET EXPORT TO GUJARAT	FROM TARAPUR BUS	6437
(2)	NET EXPORT TO GUJARAT	FROM AMBHETI(PG) BUS	97716
(3)	A.. EXPORT FROM MAHARASTRA TO GUJARAT	AT NASIK BUS	2187
	B.. EXPORT FROM GUJARAT TO MAHARASTRA	AT NAVSARI BUS	52960
	C.. NET EXPORT FROM MAHARASTRA TO GUJARAT		-50773
(4)	A.. EXPORT FROM M.P. TO GUJARAT	AT INDORE BUS	268849
	B.. EXPORT FROM GUJARAT TO M.P.	AT ASOJ BUS	25
	C.. NET EXPORT FROM M.P. TO GUJARAT		268824
(5)	NET EXPORT FROM KAWAS	TO GUJARAT	216813
(6)	NET EXPORT FROM KAKARAPAR	TO GUJARAT	192884
(7)	NET EXPORT FROM JHANOR	TO GUJARAT	55739
(8)	NET EXPORT FROM SSP	TO ASOJ	216499
(9)	NET EXPORT FROM SSP	TO KASOR	258218

(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	720.00
2 400 KV ASOJ-INDORE -2	14.50	0.00	0.00	14.50	705.10
3 400 KV ASOJ-SSP	0.00	0.00	0.00	0.00	720.00
4 400 KV KASOR-SSP	0.00	0.00	0.00	0.00	720.00
5 220 KV NAVSARI-NASIK -1	11.13	0.00	14.05	25.18	694.42
6 220 KV NAVSARI-NASIK -2	10.36	3.49	0.00	14.25	705.35
7 220 KV TARAPUR-BHILAD	21.20	0.00	0.00	21.20	698.40
8 220 KV TARAPUR-VAPI	58.27	0.00	14.38	73.05	646.55
9 220 KV AMBHETI-BHILAD	0.00	0.00	0.00	0.00	720.00
10 220 KV AMBHETI(PG)-VAPI	0.00	0.00	0.00	0.00	720.00
11 NO OF HRS GUJARAT- MAHARASTRA IN PARALLEL					705.35
12 NO OF HRS GUJARAT- MADHYA PRADESH IN PARALLEL					720.00

(6) FREQUENCY PARTICULARS

A . AVERAGE FREQUENCY			49.66	HZ		
B . ABOVE 50.20 Hz			4.21	%		
C . BETWEEN 50.20 & 49.80 Hz			30.00	%		
D . BETWEEN 49.80 & 49.50 Hz			30.76	%		
E . BETWEEN 49.50 & 49.00 Hz			33.32	%		
F . BETWEEN 49.00 & 48.50 Hz			1.70	%		
G . BETWEEN 48.50 & 48.00 Hz			0.00	%		
H . BELOW 48.00 Hz			0.00	%		
K . AVERAGE MAX FREQUENCY	50.36	ON	2/9/2006	AT	4.00	HRS
L . AVERAGE MIN FREQUENCY	49.00	ON	28/9/2006	AT	5.00	HRS
M . INSTANT MAX FREQUENCY	50.58	ON	17/9/2006	AT	13.11	HRS
N . INSTANT MIN FREQUENCY	48.80	ON	27/9/2006	AT	18.42	HRS

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

A	HYDRO :-	ENERGY (MWH)	PEAK (MW)
1	UKAI	167239	300
2	UKAE LBCH	3711	5
3	KADANA	113788	180
4	PANAM	9.4	1
	TOTAL HYDRO	284747	300
B	THERMAL :-		
1	AECO C	41458	61.1
	AECO D	78922	123
	AECO E	74950	114
	AECO F	77421	115
	AECO GAS	48997	83
	DHUVARAN (Steam)	70275	230
	DHUVARAN (gas)	38928	177
	UKAI 1	9665	82
	UKAI 2	19255	84
	UKAI 3	114780	192
	UKAI 4	91545	194
	UKAI 5	139578	209
	GANDHINAGAR 1	37719	83
	GANDHINAGAR 2	52168	85
	GANDHINAGAR 3	0	0
	GANDHINAGAR 4	109220	170
	GANDHINAGAR 5	62548	143
	WANAKBORI 1	139885	211
	WANAKBORI 2	132950	211
	WANAKBORI 3	120438	211
	WANAKBORI 4	142955	209
	WANAKBORI 5	144620	211
	WANAKBORI 6	145930	211
	WANAKBORI 7	61444	212
	SIKKA	127697	227
	KUTCH LIGNITE	100981	215
	UTRAN	77863	141
	GIPCL-1	91448	155
	GIPCL-2	77570	154
	SURAT LIGNITE	120779	252
	AKRIMOTA LIGNITE	20254	120
	ESSAR POWER	252393	515
	GPEC	371760	541
	GSEG	79437	147
	CPP	30046	0
C	TOTAL (TH)	3305878	5199
D	TOTAL (TH+ HY)	3590626	5587
E	NET EXCHANGE	1262357	2023
	RESTRICTED ENERGY REQ.	5320593	
	UNRESTRICTED ENERGY REQ.	5320593	
	AUXILIARY CONSP. (HY+TH)	342265	
	IMPORT/EXPORT- INTRASTATE/INTERSTATE REGION		
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	CATERED DEMAND.....		PAGE 1
	UNRESTRICTED DEMAND.....		PAGE 1

400KV BUS VOLTAGE

ASOJ		INDORE		JETPUR		UKAI	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
423	395	422	393	417	332	420	400

WANAKBORI		SOJA		CHORANIA		KANSARI	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
421	402	415	396	413	366	418	390

220KV BUS VOLTAGE

Anjar		Mahesana		Chhatral		Dhansura		Ranasan		Viramgam	
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
237	220	232	218	227	215	225	216	231	218	233	204

Limbdī		Dhangadhra		Gondal		Ranavav		Vartej		Timbdī	
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
238	210	233	202	238	182	230	186	226	192	225	185

GUJARAT ENERGY TRANSMISSION CO. LTD. , STATE LOAD DESPATCH CENTRE , GOTRI

ACCOUNTING OF LOSS OF GENERATION IN GUJARAT FOR SEP-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.	Transmission const.	Commercial reasons	Grid disturbance	Auxiliary problems	RSD	Other reasons		

THERMAL STATIONS :-

DHUVARAN	534	384.480	70.275	0.000	17.919	0.000	0.000	0.000	76.213	8.203	211.870	384.480	
UKAI	850	612.000	374.823	0.000	3.308	0.000	0.000	0.000	8.092	1.620	224.157	612.000	
GANDHINAGAR	870	626.400	261.655	0.000	3.469	0.000	0.000	0.000	122.566	0.000	238.710	626.400	
WANAKNBORI	1470	1058.400	888.222	0.000	32.526	0.000	0.000	-0.192	0.880	0.000	136.964	1058.400	
SIKKA	240	172.800	127.697	0.000	4.787	0.063	0.000	0.000	12.948	0.000	27.305	172.800	
PANANDHRO	215	154.800	100.981	0.000	0.311	0.000	0.000	0.000	1.028	0.000	52.480	154.800	
A.E.CO.	400	288.000	272.7507	0.000	0.1392	0.000	0.000	0.000	16.778	0.000	2.2645	291.9328	3.9328 MU'S MORE
SURAT LIGNITE	250	180.000	120.779	0.000	0.369	0.000	0.000	0.000	0.000	0.000	58.852	180.000	
TOTAL	4829	3476.880										3480.813	

GAS STATION:-

A.E.CO.	100	72.000	48.9971	22.9615	0.000	0.000	0.000	0.000	0.0000	0.0000	0.04140	72.0000	
UTRAN	135	97.200	77.8630	0.000	5.24	0.000	0.000	0.000	0.000	16.016	2.170	101.289	4.089 MU'S MORE
DHUVARAN	106.617	76.764	30.9350	32.9280	2.020	0.000	0.000	0.000	0.000	0.0000	10.881	76.7640	
TOTAL	341.617	245.964										250.053	

