



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jul/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	81.698	2185.322	1) Madhya Pradesh	47.844	1481.220
2) Hydro	7.479	234.083	2) Gujrat	23.748	569.148
3) Gas	15.218	399.411	3) Goa	-5.220	-145.118
Total MSGENCO	104.395	2818.816	4) TAPS 1&2 (Inj.)	5.317	185.218
B) OTHERS			5) Pench (Excess)	-0.058	-1.639
1) RGPPL Gas	15.948	550.672	# Total Cent. Sector	71.631	2088.829
2) Wind Generation	26.812	375.212	F) Other Exchanges		
3) CPP	4.987	140.216	1) With TPCL (Excess)	-12.180	-233.642
4) PENCH (MS)	0.058	1.639	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	3.445	18.322
1) TPCL Thermal	21.382	693.404	Include PX	4.210	62.921
2) TPCL Hydro	4.442	61.264	2) MUMBAI Bilateral	12.413	274.921
TOTAL TPCL	25.824	754.668	Include PX	3.677	83.523
3) REL Thermal	12.661	314.196	3) MUMBAI Schedule	12.413	274.921
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	115.741	3192.922	1) MSEDCL	211.651	5741.742
2) Hydro (A2+B3+C2)	11.979	296.986	2) TPCL	34.586	852.297
3) Gas (A3+B1)	31.166	950.083	3) REL	16.077	450.155
4) Wind (B2)	26.812	375.212	TOTAL STATE	262.314	7044.194
5) CPP (B3)	4.987	140.216			
TOTAL STATE	190.685	4955.419			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	3492	3264	3288
MSGENCO Hydro	332	603	98
MSGENCO Gas	653	628	602
MSGENCO Total Generation	4477	4495	3988
Central Sector Receipt	3068	3293	2710
RGPPL	664	659	672
WIND	1101	1035	1047
CPP	217	197	209
Exchange with TPCL	-633	-599	-240
MSEDCL DEMAND MET	8894	9092	8386
Load Shedding	910	1974	0
MSEDCL DEMAND (INCL. LS)	9804	11066	8386
TPCL GENERATION	1246	1285	780
REL GENERATION	529	527	528
TPCL+REL DEMAND	2408	2411	1548
STATE DEMAND MET	11302	11503	9934
STATE DEMAND (INCL. LS)	12212	13477	9934
Frequency (Hz)	49.89	49.30	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1996 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			10.85 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 06.03 Hrs	48.79 Hz at 19.49 Hrs	49.87	1.42 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center, Airoli (MSETCL)

Daily and Progressive Generation, Maximum, Minimum, OLC Details for 26/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.65	17.34	73	51	75
Unit 2	1.60	18.00	76	37	65
Unit 3	1.47	29.69	78	31	75
Unit 4	0.00	4.30	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	3.13	84.79	154	111	120
Unit 7	3.72	82.28	175	122	160
	11.57	236.39			495
Bhusawal					
Unit 1	0.02	2.66	12	0	0
Unit 2	2.63	69.00	140	80	120
Unit 3	2.52	84.70	145	0	160
	5.17	156.36			280
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.78	56.59	132	95	150
Unit 4	0.00	0.00	0	0	0
Unit 5	2.34	63.41	103	92	110
Unit 6	3.98	116.80	192	144	160
Unit 7	1.65	34.83	183	0	0
	10.76	271.62			420
Chandrapur					
Unit 1	3.48	79.19	157	116	130
Unit 2	0.00	72.92	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	3.12	102.94	163	93	100
Unit 5	5.94	62.55	295	190	300
Unit 6	5.59	144.80	295	175	300
Unit 7	6.56	127.99	340	236	300
	24.70	590.38			1130
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.01	86.75	146	78	140
Unit 4	0.70	72.63	135	0	0
	3.71	159.38			140
Khaparkheda					
Unit 1	4.88	106.45	216	165	200
Unit 2	3.84	95.09	177	137	170
Unit 3	4.36	106.55	198	158	190
Unit 4	0.32	91.53	106	0	0
	13.39	399.62			560
Nasik					
Unit 1	0.67	39.70	77	0	75
Unit 2	1.44	38.98	76	35	55
Unit 3	3.45	94.16	162	104	150
Unit 4	3.58	99.80	169	110	160
Unit 5	3.26	98.94	171	0	150
	12.39	371.59			590
Koyna					
Stage 1-2	1.66	86.59	255	35	600
Stage 4	0.00	54.74	0	0	0
Stage 3	1.88	48.04	210	0	320
	3.54	189.37			920
Koyna 12&4 Total	1.66	141.33			600

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran					
All Units	15.22	399.41	662	602	605
	15.22	399.41			605
Hydro					
KDPH	0.00	1.44	0	0	0
VTRNA	0.36	1.35	61	0	60
TILLARI	0.70	6.01	60	0	60
BHTGR/VEER	0.07	0.77	3	3	0
BHIRA T.R.	0.45	7.38	80	0	80
RNGR+BHTSA	0.08	0.61	4	3	4
BHANDARDRA	0.62	1.36	26	26	17
ELDARY	0.00	0.00	0	0	0
SMLHY_PTN	0.53	2.87	30	20	8
GHATGHAR	1.12	22.92	250	0	0
	3.94	44.71			229
PENCH (MS)					
Pench (MS)	0.06	1.64	24	0	
	0.06	1.64			
Wind					
MalharPeth	1.28	14.79			
Vankuswadi	1.93	34.08			
ATIT	1.11	8.37			
Kale	1.06	13.45			
Satara	1.27	32.97			
Shirala	1.26	12.07			
K Mahankal	0.50	17.92			
Supa	0.36	5.49			
Vita	4.66	68.49			
Dondaicha	7.69	95.12			
Sakri	1.43	17.98			
Nandurbar	0.80	11.37			
Khadakale	2.12	25.12			
Khaparale	1.34	18.00			
	26.81	375.21			
CPP					
TOTAL CPP	4.99	140.22			
	4.99	140.22			
Dabhol					
RGPPPL	15.95	550.67	672	659	630
	15.95	550.67			630
Tata					
Trombay 4	0.46	0.56	23	15	20
Trombay 5	7.19	266.52	330	270	500
Trombay 6	9.34	192.76	500	200	500
Trombay 7A	0.00	63.88	0	0	0
Trombay 7B	0.00	31.89	0	0	0
Trombay 8	4.40	137.80	193	180	200
TATA Hydro	4.44	61.26	387	25	447
	25.82	754.67			1667
REL					
1&2	12.66	314.20	532	521	500
	12.66	314.20			500
Cent Sect					
Share					3174
					3174
MS PG CL	Thermal	81.70	2185.32		3615
	Thml+Gas	96.92	2584.73		4220
	Hydro	7.48	234.08		1149
	Total	104.40	2818.82		5369
State Total	190.68	4955.42			11340

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 26/Jul/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	3375	107	604	4086	668	1136	215	2663	2627	-337	-324	8408	0	8408	1675	10083	49.95
2	3288	98	602	3988	672	1047	209	2603	2710	-268	-240	8386	0	8386	1548	9934	50.05
3	3321	93	604	4018	670	1132	210	2619	2698	-222	-196	8532	0	8532	1474	10006	50.10
4	3334	98	604	4036	669	1175	208	2552	2611	-151	-133	8566	0	8566	1431	9997	50.09
5	3353	98	616	4067	670	1209	228	2558	2591	-151	-138	8627	0	8627	1478	10105	50.14
6	3387	92	612	4091	666	1136	224	2562	2838	-151	-126	8829	0	8829	1504	10333	49.93
7	3483	92	626	4201	668	1108	230	2910	2882	-310	-291	8798	0	8798	1694	10492	50.06
8	3550	92	650	4292	666	1112	217	3034	3200	-429	-417	9070	0	9070	1823	10893	50.02
9	3470	198	658	4326	664	1226	230	3135	3247	-523	-518	9175	433	9608	2057	11665	49.98
10	3492	332	653	4477	664	1101	217	3259	3068	-636	-633	8894	910	9804	2408	12212	49.89
11	3572	322	662	4556	664	1040	215	3413	2943	-731	-774	8644	706	9350	2641	11991	50.03
12	3530	362	654	4546	663	1125	216	3389	2853	-779	-827	8576	347	8923	2692	11615	49.99
13	3433	297	645	4375	663	1110	209	3385	3000	-755	-774	8583	0	8583	2608	11191	50.09
14	3410	292	647	4349	663	1113	198	3354	2758	-707	-726	8355	0	8355	2483	10838	50.06
15	3381	318	640	4339	661	1206	197	3274	2934	-684	-701	8636	0	8636	2471	11107	49.83
16	3449	310	642	4401	662	1143	175	3293	2949	-684	-700	8630	0	8630	2495	11125	49.87
17	3233	310	645	4188	662	1361	192	3267	3247	-660	-673	8977	0	8977	2459	11436	49.75
18	3107	255	640	4002	663	1158	192	3297	3515	-660	-672	8858	398	9256	2453	11709	49.85
19	3179	283	638	4100	662	1183	198	3178	3337	-660	-673	8807	1683	10490	2414	12904	49.70
20	3264	603	628	4495	659	1035	197	3407	3293	-631	-599	9092	1974	11066	2411	13477	49.30
21	3458	793	638	4889	662	1114	175	3407	3257	-631	-578	9543	1555	11098	2350	13448	49.57
22	3529	868	626	5023	661	1074	202	3364	3096	-607	-550	9528	1285	10813	2192	13005	49.30
23	3548	792	634	4974	662	903	203	3017	3119	-571	-508	9353	1161	10514	2031	12545	49.47
24	3552	374	650	4576	664	865	230	2760	2858	-475	-409	8784	1119	9903	1873	11776	49.86
MUs	81.70	7.48	15.22	104.40	15.95	26.81	4.99	73.70	71.63	-12.41	-12.18	211.65	11.57	223.22	50.66	273.89	49.87

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 26/Jul/2010

Position as on 6.30 Hrs of 27/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/08/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual Overhaul.	30/07/2010
Cent_Sect NTPC (K-2)	210	30/06/2010	23.46	27/07/2010	02:19	Annual Overhaul.	27/07/2010
Cent_Sect NTPC(V) 9	500	01/07/2010	00.04	26/07/2010	16.29	Annual Overhaul.	
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	04/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
Tata Trombay 7B	60	25/07/2010	15.45		Continued.	Inspection and Maint.work	31/07/2010
Tata Trombay 7A	120	25/07/2010	17.39		Continued.	Main T/F replacement	31/07/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Paras Unit 2	55	13/06/2010	17.35		Continued.	For Scrapping.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	30/07/2010
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Cent_Sect Tarapur 1	80	22/07/2010	13.19	26/07/2010	03.10	Maintenance work.	
Khaparkheda Unit 4	210	24/07/2010	15.56	26/07/2010	20.23	Boiler tube leakage.	
Chandrapur Unit 2	210	24/07/2010	22.43		Continued.	Reheater tube leakage.	
Nasik Unit 5	210	26/07/2010	00.15	26/07/2010	02.10	Furnance Draft	

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 26/Jul/2010

Position as on 6.30 Hrs of 27/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Bhusawal Unit 1	58	26/07/2010	01.25		Continued.	Abnormal Turbine Parameter due to wet coal	27/07/2010
Parli Unit 7	250	26/07/2010	02.20	26/07/2010	05.45	Flame Failure	
Nasik Unit 1	125	26/07/2010	10.30		Continued.	Boiler Tube Leakage.	29/07/2010
Parli Unit 7	250	26/07/2010	13.41	26/07/2010	22.37	Main Steam Temp.Low.	
Bhusawal Unit 3	210	26/07/2010	16.39	26/07/2010	19.16	Flame Failure.	
Paras Unit 4	250	26/07/2010	16.39	26/07/2010	18.38	Flame Failure.	
Cent_Sect NTPC(K-3)	210	26/07/2010	20.48		Continued.	Boiler Tube Leakage.	30/07/2010
Cent_Sect NTPC(V-10)	500	26/07/2010	21.57	27/07/2010	00:15	Flame Failure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2010

Position as on 6.30 Hrs of 27/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Kolhapur-Mapusa Ckt I	16/07/2010	18.43		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	20/07/2010	23.24	26/07/2010	12.50	Over Voltage.
Akola - Aurangabad - I	21/07/2010	13.10		Continued.	Changeover.
Dhule-Sar'Sarovar - II	23/07/2010	15.17		Continued.	Over Voltage
Dhule-S'Sarovar I	27/07/2010	00.54		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	26/07/2010	07.39	26/07/2010	08.54	Trip.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrpur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Lonikand- Koyna Stage IV	16/07/2010	10.52		Continued.	E/W replacement work (Ready)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100 KV125 MVA ICT- III @ Trombay	26/07/2010	12.21	26/07/2010	14.26	To Attend Heavy Noister in 11KV Breaker.
Kalwa - Salshet - IV	27/07/2010	00.21	27/07/2010	05.20	To Attend Hot Spot on A Ph on Loc-2.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
New Koyna - StageIV - I	23/07/2010	12.36		Continued.	Over Voltage
Karad-Lamboti	23/07/2010	19.33		Continued.	Over Voltage
New Koyna - Karad - I	23/07/2010	23.47		Continued.	Over Voltage
C'pur-Parli II	27/07/2010	00.08	27/07/2010	05.36	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - I	19/07/2010	19.52	26/07/2010	09.42	Over Voltage.
Koradi - Kaparkheda	24/07/2010	19.54	26/07/2010	10.38	Trip on O/V.
Chandrapur - Khaparkheda	24/07/2010	19.54		Continued.	Over Voltage.
Koyna IV - Jejuri	25/07/2010	23.26		Continued.	Over Voltage
Karad-Kolhapur-II	26/07/2010	01.02	26/07/2010	16.57	Over Voltage
New Koyna - Koyna Stage IV - II	26/07/2010	03.30	26/07/2010	08.29	Over Voltage
Padgha - Kalwa - II	26/07/2010	07.29	26/07/2010	17.33	Dist.Prot.Z-1,B Ph.
Karad - Kolhapur - I	26/07/2010	10.02		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	26/07/2010	23.11		Continued.	Over Voltage.
Karad-Kolhapur-II	26/07/2010	23.50		Continued.	Over Voltage.
New Koyna - Koyna Stage IV - II	27/07/2010	03.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT	01/06/2010	03.57		Continued.	Oil Tank Burst.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2010

Position as on 6.30 Hrs of 27/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
- II @ Theur					
Talangade-Mudshingi	26/07/2010	09.57	26/07/2010	10.32	Dist.Prot.
220/100 KV 100 MVA T/F - IV @ Kandalgaon	26/07/2010	14.40	26/07/2010	22.08	Differential Protection.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 27/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi				852	630
Unit 1	105	70	Hydro		
Unit 2	105	70	KDPH	40	0
Unit 3	105	70	VTRNA	60	60
Unit 4	105	0	TILLARI	60	60
Unit 5	200	0	BHTGR/VEER	21	0
Unit 6	210	150	BHIRA T.R.	80	80
Unit 7	210	170	RNGR+BHTSA	20	4
	1040	530	BHANDARDRA	45	29
Bhusawal			ELDARY	23	0
Unit 1	58	0	SMLHY_PTN	12	8
Unit 2	210	120	GHATGHAR	250	0
Unit 3	210	140		611	241
	478	260	PENCH (MS)		
Parli			Pench (MS)	53	0
Unit 1	30	0		53	0
Unit 2	30	0	Wind		
Unit 3	210	150	MalharPeth	0	
Unit 4	210	0	Vankuswadi	0	
Unit 5	210	110	ATIT	0	
Unit 6	250	160	Kale	0	
Unit 7	250	0	Satara	0	
	1190	420	Shirala	0	
Chandrapur			K Mahankal	0	
Unit 1	210	160	Supa	0	
Unit 2	210	0	Vita	0	
Unit 3	210	0	Dondaicha	0	
Unit 4	210	150	Sakri	0	
Unit 5	500	180	Nandurbar	0	
Unit 6	500	200	Khadakale	0	
Unit 7	500	250	Khaparale	0	
	2340	940		0	
Paras			CPP		
Unit 2	55	0	TOTAL CPP	0	
Unit 3	250	70		0	
Unit 4	250	0	Dabhol		
	555	70	RGPPL	960	630
Khaparkheda				960	630
Unit 1	210	170	Tata		
Unit 2	210	170	Trombay 4	150	20
Unit 3	210	170	Trombay 5	500	500
Unit 4	210	170	Trombay 6	500	500
	840	680	Trombay 7A	120	0
Nasik			Trombay 7B	60	0
Unit 1	120	0	Trombay 8	250	250
Unit 2	120	80	TATA Hydro	444	447
Unit 3	210	160		2024	1717
Unit 4	210	160	REL		
Unit 5	210	160	1&2	500	500
	870	560		500	500
Koyna			Cent Sect		
Stage 1-2	600	600	Share	3143	3259
Stage 4	1000	0		3143	3259
Stage 3	320	320			
	1920	920			
Uran					
All Units	852	630			
				17376	11357