



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Mar/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.750	3549.338	1) Madhya Pradesh	52.921	1422.884
2) Hydro	9.873	437.266	2) Gujrat	29.801	800.649
3) Gas	14.846	368.147	3) Goa	-5.453	-177.431
Total MSGENCO	153.469	4354.751	4) TAPS 1&2 (Inj.)	7.174	202.863
B) OTHERS			5) Pench (Excess)	-0.013	-6.713
1) RGPPL Gas	37.538	897.890	# Total Cent. Sector	84.430	2242.252
2) Wind Generation	5.940	120.758	F) Other Exchanges		
3) CPP	3.893	42.463	1) With TPCL (Excess)	-1.102	-96.771
4) PENCH (MS)	0.013	6.941	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.967	165.318
1) TPCL Thermal	29.599	835.053	Include PX	0.000	0.000
2) TPCL Hydro	0.640	116.665	2) MUMBAI Bilateral	1.948	119.126
TOTAL TPCL	30.239	951.718	Include PX	1.746	51.517
3) REL Thermal	12.622	353.615	3) MUMBAI Schedule	1.948	119.126
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	170.971	4738.006	1) MSEDCL	284.181	7568.284
2) Hydro (A2+B3+C2)	10.526	560.872	2) TPCL	27.767	904.082
3) Gas (A3+B1)	52.384	1266.037	3) REL	16.192	498.002
4) Wind (B2)	5.940	120.758	TOTAL STATE	328.140	8970.368
5) CPP (B3)	3.893	42.463			
TOTAL STATE	243.714	6728.136			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5301	5514	5270
MSGENCO Hydro	291	593	247
MSGENCO Gas	616	652	599
MSGENCO Total Generation	6208	6759	6116
Central Sector Receipt	3764	3845	3010
RGPPL	1550	1558	1562
WIND	219	182	360
CPP	180	189	71
Exchange with TPCL	-65	-63	8
MSEDCL DEMAND MET	11856	12470	11127
Load Shedding	3548	3508	2005
MSEDCL DEMAND (INCL. LS)	15404	15978	13132
TPCL GENERATION	1280	1522	1075
REL GENERATION	528	523	527
TPCL+REL DEMAND	1873	2108	1594
STATE DEMAND MET	13729	14578	12721
STATE DEMAND (INCL. LS)	17277	18086	14726
Frequency (Hz)	49.57	49.78	49.47
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4386 MW at 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.06 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.44 Hz at 17.05 Hrs	49.14 Hz at 05.45 Hrs	49.76	0 % 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 28/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.75	45.13	82	68	75
Unit 2	1.53	44.34	68	56	60
Unit 3	1.29	4.94	75	0	60
Unit 4	1.57	49.15	74	39	70
Unit 5	3.59	100.52	161	131	140
Unit 6	3.77	102.67	178	124	120
Unit 7	0.00	96.64	0	0	0
	13.50	443.40			525
Bhusawal					
Unit 1	1.10	30.50	52	40	50
Unit 2	4.47	124.92	192	181	195
Unit 3	4.51	118.52	195	179	195
	10.08	273.94			440
Parli					
Unit 1	0.53	15.36	24	21	22
Unit 2	0.54	13.30	24	21	22
Unit 3	0.00	37.16	0	0	0
Unit 4	3.78	117.17	190	142	200
Unit 5	0.02	103.77	20	0	0
Unit 6	6.04	166.64	255	240	250
Unit 7	5.37	89.30	257	140	0
	16.29	542.70			494
Chandrapur					
Unit 1	3.39	82.97	144	125	150
Unit 2	3.29	93.15	145	116	150
Unit 3	3.33	105.60	156	122	140
Unit 4	3.93	122.50	195	111	200
Unit 5	10.16	232.10	442	406	450
Unit 6	8.63	251.89	384	331	400
Unit 7	9.94	281.98	447	349	450
	42.67	1170.18			1940
Paras					
Unit 2	0.50	18.43	22	18	44
Unit 3	5.69	100.93	247	219	220
Unit 4	2.81	30.99	210	79	
	9.00	150.35			264
Khaparkheda					
Unit 1	5.03	111.78	215	198	210
Unit 2	4.45	111.15	190	177	190
Unit 3	5.12	130.53	215	212	210
Unit 4	4.80	121.87	211	176	200
	19.40	475.34			810
Nasik					
Unit 1	2.30	56.06	103	87	100
Unit 2	1.28	54.53	94	0	0
Unit 3	4.86	128.56	209	192	200
Unit 4	4.53	120.29	195	181	190
Unit 5	4.84	133.99	207	193	200
	17.81	493.43			690
Koyna					
Stage 1-2	1.54	70.40	210	40	600
Stage 4	2.34	188.62	679	0	250
Stage 3	1.09	55.92	240	0	320
	4.97	314.94			1170
Kovna 12&4 Total	3.88	259.02			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		14.85	368.15	668	586	600
		14.85	368.15			600
Hydro						
KDPH		0.91	14.91	39	37	36
VTRNA		1.18	18.34	61	0	60
TILLARI		0.35	4.29	59	0	60
BHTGR/VEER		0.45	46.40	19	18	5
BHIRA T.R.		0.16	6.01	52	0	80
RNGR+BHTSA		0.29	8.58	13	12	13
BHANDARDRA		0.71	3.52	33	29	14
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.85	6.45	43	33	18
GHATGHAR		0.00	13.84	0	0	0
		4.90	122.32			286
PENCH (MS)						
Pench (MS)		0.01	6.94	10	0	
		0.01	6.94			
Wind						
MalharPeth		0.17	5.07			
Vankuswadi		0.39	10.35			
ATIT		0.22	3.67			
Kale		0.25	4.23			
Satara		0.15	4.65			
Shirala		0.18	4.11			
K Mahankal		0.15	2.36			
Supa		0.15	3.40			
Vita		1.27	15.74			
Dondaicha		1.72	39.98			
Sakri		0.26	6.14			
Nandurbar		0.29	6.34			
Khadakale		0.53	8.58			
Khaparale		0.21	6.12			
		5.94	120.76			
CPP						
TOTAL CPP		3.89	42.46			
		3.89	42.46			
Dabhol						
RGPPL		37.54	897.89	1595	1550	1500
		37.54	897.89			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	277.49	415	415	420
Trombay 6		9.09	265.63	510	200	500
Trombay 7A		2.93	81.22	125	120	120
Trombay 7B		1.62	45.57	68	67	60
Trombay 8		6.00	165.15	250	250	250
TATA Hydro		0.64	116.66	158	0	447
		30.24	951.72			1797
REL						
1&2		12.62	353.62	528	522	500
		12.62	353.62			500
Cent Sect						
Share						2951
						2951
MS PG CL	Thermal	128.75	3549.34			5163
	Thml+Gas	143.60	3917.48			5763
	Hydro	9.87	437.27			1456
	Total	153.47	4354.75			7219
State Total		243.71	6728.14			13967

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Mar/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	5275	1151	586	7012	1566	350	82	2826	2853	-128	-88	11778	1807	13585	1899	15484	49.52
2	5251	870	597	6718	1562	419	72	2720	2888	-34	9	11668	1850	13518	1724	15242	49.48
3	5302	554	598	6454	1562	441	72	2722	2943	-34	7	11479	1751	13230	1645	14875	49.52
4	5270	247	599	6116	1562	360	71	2722	3010	-36	8	11127	2005	13132	1594	14726	49.47
5	5269	194	598	6061	1560	343	71	2755	3178	-36	4	11217	2154	13371	1577	14948	49.61
6	5320	754	592	6666	1569	321	98	2792	3053	-36	7	11714	2496	14210	1595	15805	49.49
7	5234	264	629	6127	1590	315	166	3113	3107	10	42	11347	3398	14745	1591	16336	49.83
8	5311	233	640	6184	1595	330	152	3109	3045	40	70	11376	3391	14767	1594	16361	50.02
9	5352	250	655	6257	1590	278	180	3176	3114	-31	1	11420	3296	14716	1682	16398	49.91
10	5300	328	668	6296	1580	298	184	3257	3573	-92	-57	11874	3412	15286	1739	17025	49.98
11	5280	362	644	6286	1560	315	190	3252	3709	-92	-58	12002	3381	15383	1840	17223	49.74
12	5301	291	616	6208	1550	219	180	3254	3764	-92	-65	11856	3548	15404	1873	17277	49.57
13	5373	241	607	6221	1552	119	197	3384	3854	-92	-56	11887	3507	15394	1885	17279	49.69
14	5427	231	611	6269	1556	69	202	3427	4000	-139	-90	12006	3462	15468	1889	17357	49.89
15	5379	236	611	6226	1554	57	204	3388	4034	-139	-107	11968	3597	15565	1885	17450	49.91
16	5373	231	612	6216	1552	84	179	3337	3880	-139	-112	11799	3408	15207	1891	17098	49.91
17	5437	236	611	6284	1558	98	204	3238	3843	-139	-111	11876	3411	15287	1888	17175	50.00
18	5396	244	612	6252	1561	118	211	3242	4061	-139	-108	12095	2996	15091	1859	16950	50.03
19	5450	380	638	6468	1563	154	209	2947	3459	-100	-80	11783	3289	15072	1921	16993	49.95
20	5514	593	652	6759	1558	182	189	3076	3845	-100	-63	12470	3508	15978	2108	18086	49.78
21	5514	768	653	6935	1557	263	198	3083	3565	-100	-70	12448	3201	15649	2111	17760	49.72
22	5511	548	619	6678	1564	396	198	3085	3711	-100	-66	12481	3202	15683	2113	17796	49.84
23	5485	351	598	6434	1557	218	198	3000	4051	-53	-14	12444	2829	15273	2046	17319	49.70
24	5426	316	600	6342	1560	193	186	3005	3891	-147	-105	12067	1894	13961	2014	15975	49.73
MUs	128.75	9.87	14.85	153.47	37.54	5.94	3.89	73.91	84.43	-1.95	-1.10	284.18	70.79	354.98	43.96	398.94	49.76

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 28/Mar/2010

Position as on 6.30 Hrs of 29/Mar/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)	31/03/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	05/04/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	31/03/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Parli Unit 5	210	25/03/2010	12:42	28/03/2010	22.20	Water Wall Tube Leakage.	
Nasik Unit 2	125	26/03/2010	09.23	28/03/2010	05.55	BLR T/L.	
Cent_Sect Sipat-4	500	27/03/2010	00.27	28/03/2010	03.57	Superheater Tube leakage.	
Nasik Unit 2	125	28/03/2010	17.05	28/03/2010	18.43	Tripped due to Drum Level Low.	
Koradi Unit 3	105	28/03/2010	22.10		Continued.	Tripped ,furnance pressure low.	
Parli Unit 5	210	28/03/2010	23.02	29/03/2010	09.05	Tripped due to Turbine Differential Expansion High	
Parli Unit 7	250	29/03/2010	05.25	29/03/2010	08.32	Tripped on flame failue.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2010

Position as on 6.30 Hrs of 29/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Mapusa Ckt I	28/03/2010	06.20	28/03/2010	18.32	Errection of jack bus for Solapur bays at 400 KV Kolhapur.
Kolhapur - Mapusa - II	28/03/2010	06.39	28/03/2010	21.02	Errection of jack bus for solapur bays at 400KV Kolhapur.(Taken on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	26/03/2010	16.31		Continued.	H/T for O/V.
Akola - Wardha - II	26/03/2010	17.33		Continued.	H/T.
Dhule-Sar'Sarovar - II	27/03/2010	02.55		Continued.	H/T for O/V.
Kolhapur-Mapusa Ckt I	29/03/2010	14.21	29/03/2010	16.47	H/T for Maint of B Bus Isolator of Mapusa - II.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	28/03/2010	02.38	28/03/2010	17.25	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT - II @ Koradi.	29/03/2010	08.22	29/03/2010	17.37	Tan Delta Measurment of 400/220 KV Bushing.
400KV Main Bus-I at Aurangabad	29/03/2010	10.57	29/03/2010	17.43	'B1W'beam Errection from Pune 2 to Pune 1.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA.
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Aumantation of new 200 MVA ICT.
BUS SEC-II at Jejuri	19/03/2010	13.57		Continued.	Renovation of Isolator
220/132KV 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
Karad-M'peth	23/03/2010	11.10		Continued.	Tower erection work.
Nasik - Airoli - Knowledge Park	27/03/2010	11.05		Continued.	For conductor replacement.
Karad-Pophali	28/03/2010	06.30	28/03/2010	18.50	For erection of M/C Tower
Aurangabad - BBLSR	28/03/2010	07.43	29/03/2010	19.37	For Replacement of CT's under LES scheme.
220/100KV,100MVA ICT-IV at K'gaon	28/03/2010	08.42	28/03/2010	11.55	L.V.compressor air leakage attending work.
220/100 KV 200 MVA T/F IV at Apta.	28/03/2010	10.13	28/03/2010	13.00	for 'R'Ph.CT replacement work.
Kandalgaon-Lonand	28/03/2010	11.22	28/03/2010	14.55	For earth wire replacement work.
Ghatghar-Jindal	29/03/2010	09.10	29/03/2010	19.15	Conductor Replacement.
Uran-Kharghar-II	29/03/2010	11.07	29/03/2010	12.57	Isolator Jumper Replacement.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
Chandrapur-Padaghe Pole - II	29/03/2010	09.10	29/03/2010	12.45	Converter T/F Aux. Supply of Fan and Pump Fail.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Main Bus-II at Kolhapur	29/03/2010	14.45	29/03/2010	16.47	Maint.of B Bus Isolator of Mapusa - II.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Kaparkheda	25/03/2010	19:50		Continued.	H/T.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2010

Position as on 6.30 Hrs of 29/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	27/03/2010	18:22		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 200 MVA ICT-IV at NSK OCR	26/03/2010	11.15		Continued.	Oil leakage from delta point of LV side, B-Ph bushing.
Voltage Level : 220KV			Outage Type TRIPPED		
Wadkhal-IPCL-II	28/03/2010	00.55	28/03/2010	11.39	Tripped on Back up protection.
Wadhkal-Ispat II	28/03/2010	00.55	28/03/2010	11.42	Tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	65
Unit 5	200	150
Unit 6	210	160
Unit 7	210	0
	1040	525
Bhusawal		
Unit 1	58	50
Unit 2	210	185
Unit 3	210	195
	478	430
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	200
Unit 5	210	0
Unit 6	250	250
Unit 7	250	0
	1190	494
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	150
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1960
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	0
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	100
Unit 2	120	90
Unit 3	210	200
Unit 4	210	205
Unit 5	210	210
	870	805
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	600

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	600
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	14
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	298
PENCH (MS)		
Pench (MS)	53	0
	53	0
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1500
	960	1500
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3320
	3143	3320