



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/May/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.919	2562.054	1) Madhya Pradesh	78.146	1954.700
2) Hydro	5.839	602.506	2) Gujrat	25.541	629.125
3) Gas	16.943	457.495	3) Goa	-6.989	-183.008
Total MSGENCO	115.701	3622.055	4) TAPS 1&2 (Inj.)	7.212	201.565
B) OTHERS			5) Pench (Excess)	-0.256	-8.410
1) RGPPL Gas	37.389	944.988	# Total Cent. Sector	103.654	2593.972
2) Wind Generation	18.367	365.938	F) Other Exchanges		
3) CPP	3.929	116.269	1) With TPCL (Excess)	-8.438	-238.323
4) PENCH (MS)	0.256	8.592	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	11.249	261.759
1) TPCL Thermal	33.679	907.916	Include PX	0.216	91.205
2) TPCL Hydro	5.476	98.112	2) MUMBAI Bilateral	9.780	263.075
TOTAL TPCL	39.155	1006.028	Include PX	2.349	30.166
3) REL Thermal	12.510	349.248	3) MUMBAI Schedule	9.780	263.075
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	139.108	3819.218	1) MSEDCL	270.858	7413.491
2) Hydro (A2+B3+C2)	11.571	709.210	2) TPCL	38.404	1015.850
3) Gas (A3+B1)	54.332	1402.483	3) REL	21.700	577.856
4) Wind (B2)	18.367	365.938	TOTAL STATE	330.962	9007.197
5) CPP (B3)	3.929	116.269			
TOTAL STATE	227.307	6413.118			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	3916	3807	3744
MSGENCO Hydro	219	511	123
MSGENCO Gas	712	707	693
MSGENCO Total Generation	4847	5025	4560
Central Sector Receipt	4848	4076	4006
RGPPL	1543	1563	1576
WIND	691	696	1030
CPP	167	163	162
Exchange with TPCL	-537	-452	-272
MSEDCL DEMAND MET	11559	11117	11062
Load Shedding	2958	4343	2017
MSEDCL DEMAND (INCL. LS)	14517	15460	13079
TPCL GENERATION	1866	1720	1598
REL GENERATION	522	521	522
TPCL+REL DEMAND	2925	2693	2392
STATE DEMAND MET	14484	13810	13454
STATE DEMAND (INCL. LS)	17442	18153	15471
Frequency (Hz)	50.00	49.75	50.07
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5427 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			99.78 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.78 Hz at 08.22 Hrs	49.3 Hz at 19.28 Hrs	50.06	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/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.80	47.47	84	65	75
Unit 2	1.73	38.77	76	62	70
Unit 3	1.66	41.08	78	57	70
Unit 4	1.63	15.05	82	35	70
Unit 5	3.04	67.99	147	102	145
Unit 6	2.84	77.46	138	84	130
Unit 7	2.92	88.80	151	85	145
	15.61	376.63			705
Bhusawal					
Unit 1	1.09	28.44	48	41	50
Unit 2	4.13	118.27	186	159	170
Unit 3	4.22	101.64	189	170	170
	9.45	248.36			390
Parli					
Unit 1	0.56	12.49	26	22	22
Unit 2	0.53	15.28	23	20	22
Unit 3	3.85	108.59	175	143	160
Unit 4	3.66	108.31	166	123	165
Unit 5	3.32	101.86	158	125	145
Unit 6	5.09	162.42	249	183	250
Unit 7	2.84	117.30	135	0	
	19.86	626.25			764
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	109.56	0	0	0
Unit 4	4.04	11.70	191	142	160
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	4.04	121.26			160
Paras					
Unit 2	0.51	20.88	25	16	44
Unit 3	5.51	120.28	252	184	220
Unit 4	2.89	93.79	152	99	
	8.90	234.95			264
Khaparkheda					
Unit 1	4.78	124.58	213	177	210
Unit 2	4.29	113.16	186	162	180
Unit 3	4.40	119.59	198	166	190
Unit 4	3.98	108.94	180	152	190
	17.44	466.27			770
Nasik					
Unit 1	2.33	49.80	102	84	95
Unit 2	1.80	57.59	92	70	90
Unit 3	4.80	129.89	208	192	200
Unit 4	4.41	124.16	188	178	190
Unit 5	4.29	126.90	207	137	200
	17.62	488.34			775
Koyna					
Stage 1-2	1.52	130.90	235	35	600
Stage 4	1.11	293.43	282	0	250
Stage 3	0.05	91.33	52	0	320
	2.68	515.66			1170
Kovna 12&4 Total	2.63	424.33			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.94	457.50	716	693	670	
	16.94	457.50			670	
Hydro						
KDPH	0.38	11.37	16	15	36	
VTRNA	0.47	10.26	61	0	60	
TILLARI	0.00	6.28	0	0	0	
BHTGR/VEER	0.41	10.74	17	17	5	
BHIRA T.R.	0.24	4.26	41	0	40	
RNGR+BHTSA	0.10	6.81	4	4	0	
BHANDARDRA	0.36	14.01	15	15	15	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.67	16.59	36	26	13	
GHATGHAR	0.53	6.53	125	0	0	
	3.16	86.84			169	
PENCH (MS)						
Pench (MS)	0.26	8.59	47	0		
	0.26	8.59				
Wind						
MalharPeth	0.77	10.87				
Vankuswadi	1.26	23.86				
ATIT	0.72	7.90				
Kale	0.46	10.42				
Satara	0.93	18.36				
Shirala	0.52	9.70				
K Mahankal	0.24	10.10				
Supa	0.28	6.18				
Vita	2.27	39.37				
Dondaicha	7.04	145.33				
Sakri	1.28	24.55				
Nandurbar	0.57	18.71				
Khadakale	0.88	21.79				
Khaparale	1.15	18.80				
	18.37	365.94				
CPP						
TOTAL CPP	3.93	116.27				
	3.93	116.27				
Dabhol						
RGPPL	37.39	944.99	1582	1428	1520	
	37.39	944.99			1520	
Tata						
Trombay 4	2.60	59.85	111	105	100	
Trombay 5	10.04	276.70	420	415	415	
Trombay 6	10.56	288.78	460	330	500	
Trombay 7A	2.86	78.50	121	117	120	
Trombay 7B	1.59	43.91	67	66	60	
Trombay 8	6.02	160.17	255	250	250	
TATA Hydro	5.48	98.11	454	0	447	
	39.16	1006.03			1892	
REL						
1&2	12.51	349.25	524	515	500	
	12.51	349.25			500	
Cent Sect						
Share					3357	
					3357	
MS PG CL	Thermal	92.92	2562.05		3828	
	Thml+Gas	109.86	3019.55		4498	
	Hydro	5.84	602.51		1339	
	Total	115.70	3622.06		5837	
State Total		227.31	6413.12		13106	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/May/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	3744	123	693	4560	1576	1030	162	3206	4006	-348	-272	11062	2017	13079	2392	15471	50.07
2	3792	133	693	4618	1575	944	163	3068	3827	-209	-139	10988	2505	13493	2211	15704	50.08
3	3836	133	700	4669	1576	987	163	2974	3961	-114	-49	11307	2364	13671	2056	15727	50.16
4	3849	138	707	4694	1579	960	164	2974	4141	-114	-47	11491	2127	13618	1991	15609	50.26
5	3878	128	708	4714	1579	959	165	2975	4124	-114	-47	11494	2147	13641	1958	15599	50.21
6	3893	128	708	4729	1579	975	157	2976	3908	-114	-31	11317	2592	13909	1945	15854	50.14
7	3966	123	715	4804	1582	991	164	3106	3334	-153	-80	10795	3230	14025	1893	15918	50.42
8	4033	113	716	4862	1580	781	164	3152	3971	-203	-140	11218	2008	13226	1979	15205	50.55
9	3983	138	712	4833	1576	938	164	3223	4576	-337	-287	11800	1969	13769	2247	16016	50.53
10	3933	194	706	4833	1462	722	165	3348	4909	-484	-437	11654	2284	13938	2535	16473	50.36
11	3954	207	708	4869	1428	582	162	3412	4910	-552	-507	11444	2594	14038	2822	16860	50.16
12	3916	219	712	4847	1543	691	167	3442	4848	-599	-537	11559	2958	14517	2925	17442	50.00
13	3867	150	702	4719	1555	616	164	3563	4946	-646	-613	11387	3274	14661	2965	17626	49.94
14	3792	123	701	4616	1555	623	166	3516	4973	-599	-565	11368	3174	14542	2881	17423	49.99
15	3808	118	698	4624	1556	632	166	3610	5060	-693	-672	11366	3584	14950	2987	17937	49.88
16	3867	123	703	4693	1554	619	164	3658	4354	-741	-691	10693	3900	14593	3009	17602	49.77
17	3852	123	702	4677	1562	827	165	3611	4581	-693	-663	11149	3874	15023	2990	18013	49.97
18	3757	152	703	4612	1561	781	164	3472	4551	-552	-514	11155	3755	14910	2872	17782	49.92
19	3811	224	708	4743	1567	744	162	3244	3607	-458	-411	10435	4081	14516	2676	17192	49.97
20	3807	511	707	5025	1563	696	163	3254	4076	-480	-452	11117	4343	15460	2693	18153	49.75
21	3883	487	711	5081	1568	588	165	3255	4369	-480	-406	11412	4051	15463	2654	18117	49.83
22	3926	625	712	5263	1571	607	165	3208	4278	-435	-367	11564	3787	15351	2512	17863	49.91
23	3929	657	709	5295	1568	515	162	3072	4525	-304	-239	11873	3063	14936	2452	17388	49.76
24	3843	769	709	5321	1574	559	163	3160	3819	-357	-272	11210	3045	14255	2458	16713	49.73
MUs	92.92	5.84	16.94	115.70	37.39	18.37	3.93	78.48	103.65	-9.78	-8.44	270.86	72.73	343.58	60.10	403.69	50.06

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/May/2010

Position as on 6.30 Hrs of 29/May/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 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	16/06/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/06/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	15/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/06/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Annual Overhaul	12/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	30/06/2010
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	
Cent_Sect NTPC(K-3)	210	28/05/2010	17.45	29/05/2010	15.17	Drum Level High	
Parli Unit 7	250	28/05/2010	21.41		Continued.	Low Pressure bypass valve leakage	01/06/2010

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

Position as on 6.30 Hrs of 29/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	28/05/2010	10.44	28/05/2010	19.09	Q.M.Work
Kolhapur - Mapusa - II	28/05/2010	11.17	28/05/2010	19.14	To attend CT Leakage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Dhule-Sar'Sarovar - II	24/05/2010	23.34		Continued.	For Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I&II at Padgha	28/05/2010	21.05	29/05/2010	08.18	Maintenance work
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
N.Koyna-jaigad-I	21/05/2010	12.28	29/05/2010	12.50	Maintenance Work.
Parli-Solapur	27/05/2010	08.10	28/05/2010	16.32	Line taken on TBC due to Bus-II side isolator problem.
Main Bus-I at 400 KV Parli	27/05/2010	08.15	28/05/2010	15.56	Replacement of interconnecting clamp.
Lonikand - Parly - II	28/05/2010	06.52	28/05/2010	18.44	Replacement of seissor of 29A C phase Isolator
Parly - Chandrapur - II	28/05/2010	06.56	28/05/2010	19.40	Replacement of Faulty Disc Insulator
400/220KV, 315MVA ICT-II at Padgha	28/05/2010	09.23	28/05/2010	18.12	Maintenance work
400/220 KV,315 MVA ICT-I at Parly.	29/05/2010	08.31	29/05/2010	22.22	To Attend Hot Spot on B Ph Bushing Clamp
Lonikand-Karad	29/05/2010	08.34	29/05/2010	19.15	Replacement of defective Insulator String.
BBLSR - Dhule - II	29/05/2010	09.07	29/05/2010	17.50	Providing Repair Sleeves @ PG isolator of Y ph Main Bus - II.
400/11.5 KV 90 MVA Stion T/F-IV @ Chandrapur	29/05/2010	10.18		Continued.	Maintainance Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	Repl.of ICT by 200 MVA New ICT.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Aurangabad - Bhenda	28/05/2010	06.29	28/05/2010	23.30	Replacement of E/W and Disc Insulator
Aurangabad - BBLSR	28/05/2010	06.43	28/05/2010	22.25	Replacement of E/W and Disc Insulator
Kharghar-Nerul	28/05/2010	08.45	28/05/2010	19.16	Commissioning of A/R scheme
New Koyna - Pawas	29/05/2010	08.31	29/05/2010	17.30	Insulator Cleaning & Maint. Work.
Nasik-Raymond	29/05/2010	09.18	29/05/2010	19.07	Replacement of B Ph CT to Line Jumper & Q.M.Work.
Babaleshwar - Nagar - I	29/05/2010	10.00	29/05/2010	13.18	Q.M.Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		

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

Position as on 6.30 Hrs of 29/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV,315 MVA ICT-I at Parly.	29/05/2010	22.22		Continued.	ICT Charged with LV Side on TBC due to PDR Problem.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	24/05/2010	18.01		Continued.	For Over Voltage.
Babaleshwar-Dhule CKT - I	29/05/2010	08.53	29/05/2010	09.04	H/T to Changeover from Bus-II TO Bus -I @ Bableswhar.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.
Karad-Lamboti	28/05/2010	11.40	28/05/2010	13.18	Tripped at Karad end
Voltage Level : 220KV			Outage Type TRIPPED		
Lonand - Baramati	28/05/2010	04.15	28/05/2010	11.53	Coupling Condenser Burst
Boiser PGCIL-Boiser II	28/05/2010	14.30	28/05/2010	14.42	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	70
Unit 4	105	75
Unit 5	200	130
Unit 6	210	125
Unit 7	210	115
	1040	665
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	190
	478	435
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
Unit 6	250	250
Unit 7	250	
	1190	804
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	190
Paras		
Unit 2	55	50
Unit 3	250	214
Unit 4	250	
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	95
Unit 2	120	70
Unit 3	210	200
Unit 4	210	190
Unit 5	210	170
	870	725
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	16
VTRNA	60	61
TILLARI	60	0
BHTGR/VEER	21	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	172
PENCH (MS)		
Pench (MS)	53	
	53	
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	1520
	960	1520
Tata		
Trombay 4	150	100
Trombay 5	500	420
Trombay 6	500	450
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1847
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3246
	3143	3246