



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/May/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/May/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.338	2848.378	1) Madhya Pradesh	65.578	1472.864
2) Hydro	10.118	322.882	2) Gujrat	10.933	450.891
3) Gas	15.516	379.620	3) Goa	-5.876	-150.970
Total MSGENCO	137.972	3550.880	4) TAPS 1&2 (Inj.)	6.808	159.148
B) OTHERS			5) Pench (Excess)	0.000	-1.921
1) RGPPL Gas	22.050	404.481	# Total Cent. Sector	77.443	1930.012
2) Wind Generation	19.313	317.180	F) Other Exchanges		
3) PENCH (MS)	0.000	1.921	1) With TPCL	-4.899	-51.122
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.506	821.411	1) MSEDCL Bilateral	6.581	236.195
2) TPCL Hydro	5.853	94.374	Include PX	0.000	33.573
TOTAL TPCL	36.359	915.785	2) MUMBAI Bilateral	5.740	76.793
3) REL Thermal	12.622	314.796	Include PX	0.000	-13.291
D) STATE			3) MUMBAI Schedule	5.740	76.793
1) Thermal (A1+C1+C3)	155.466	3984.585	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.971	419.177	1) MSEDCL	251.879	6155.273
3) Gas (A3+B1)	37.566	784.101	2) TPCL	36.115	851.616
4) Wind (B2)	19.313	317.180	3) REL	17.765	426.355
TOTAL STATE	228.316	5505.043	TOTAL STATE	305.759	7433.244

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4727	4765	4678
MSGENCO Hydro	565	749	82
MSGENCO Gas	664	647	648
MSGENCO Total Generation	5956	6161	5408
Central Sector Receipt	3545	3127	2737
RGPPL	921	925	909
WIND	680	835	954
Exchange with TPCL	-408	-154	-46
MSEDCL DEMAND MET	10694	10894	9962
Load Shedding	1310	1931	0
MSEDCL DEMAND (INCL. LS)	12004	12825	9962
TPCL GENERATION	1718	1729	1091
REL GENERATION	522	526	529
TPCL+REL DEMAND	2648	2409	1666
STATE DEMAND MET	13342	13303	11628
STATE DEMAND (INCL. LS)	14652	15234	11628
Frequency (Hz)	50.12	49.93	50.37
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2560 MW AT 22.00 HR
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			28.56 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.61 Hz at 10.06 Hrs	48.93 Hz at 19.52 Hrs	50.09	.24 % 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 25/May/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	7.10	0	0	0
Unit 2	1.50	27.47	74	51	70
Unit 3	0.00	28.21	0	0	0
Unit 4	1.60	26.63	80	50	70
Unit 5	3.30	72.36	148	121	140
Unit 6	3.43	81.39	163	120	130
Unit 7	3.54	80.04	176	124	140
	13.37	323.22			550
Bhusawal					
Unit 1	1.17	26.05	53	42	50
Unit 2	3.71	90.37	171	135	170
Unit 3	4.03	102.68	179	162	175
	8.91	219.10			395
Parli					
Unit 1	0.43	11.94	19	17	20
Unit 2	0.54	14.02	24	20	20
Unit 3	3.42	66.24	150	129	150
Unit 4	3.63	93.40	160	143	150
Unit 5	3.99	84.55	174	150	165
Unit 6	4.99	115.21	212	190	220
	17.01	385.37			725
Chandrapur					
Unit 1	4.19	101.72	178	171	170
Unit 2	4.03	99.66	171	160	170
Unit 3	4.69	110.90	209	175	210
Unit 4	0.00	0.00	0	0	0
Unit 5	9.46	201.96	424	343	400
Unit 6	9.35	235.31	420	334	425
Unit 7	9.46	213.38	428	347	450
	41.18	962.92			1825
Paras					
Unit 2	0.83	23.50	48	22	50
Unit 3	4.99	123.87	235	172	205
	5.82	147.37			255
Khaparkheda					
Unit 1	4.18	103.60	186	161	170
Unit 2	4.09	105.59	177	165	170
Unit 3	4.14	107.41	174	170	170
Unit 4	4.15	106.99	178	168	170
	16.56	423.60			680
Nasik					
Unit 1	2.19	47.41	96	83	95
Unit 2	0.00	32.53	0	0	0
Unit 3	3.72	106.27	170	117	180
Unit 4	0.00	98.43	0	0	0
Unit 5	3.68	102.26	174	122	180
	9.59	386.90			455
Uran					
All Units	15.52	379.62	665	625	640
	15.52	379.62			640
Koyna					
Stage 1-2	3.56	62.51	410	35	600
Stage 4	3.44	132.62	465	0	250
Koyna 12&4 Total	7.00	195.13			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.84	41.68	240	0	320
	8.84	236.81			1170
Hydro					
KDPH	0.00	10.88	0	0	0
VTRNA	0.25	23.80	61	0	60
TILLARI	0.00	3.53	0	0	0
BHTGR/VEER	0.48	17.55	20	20	5
BHIRA T.R.	0.20	4.66	81	0	80
RNGR+BHTSA	0.29	7.77	12	12	12
BHANDARDRA	0.00	10.83	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.18	10	0	0
GHATGHAR	0.00	5.87	0	0	0
	1.28	86.07			157
PENCH (MS)					
Pench (MS)	0.00	1.92	0	0	
	0.00	1.92			
Wind					
MalharPeth	0.59	9.77			
Vankuswadi	1.41	20.54			
ATIT	0.26	3.98			
Kale	0.15	4.13			
Satara	1.25	14.68			
Shirala	0.54	7.78			
K Mahankal	0.15	4.98			
Supa	0.34	5.29			
Vita	2.97	37.69			
Dondaicha	7.92	138.20			
Sakri	1.26	22.70			
Nandurbar	1.11	20.08			
Khadakale	0.71	15.67			
Khaparale	0.66	11.69			
	19.31	317.18			
Dabhol					
RGPP L II	22.05	404.48	926	908	575
RGPP L III		0.00	0	0	
	22.05	404.48			575
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	302.69	505	505	500
Trombay 6	10.79	262.88	510	240	500
Trombay 7A	2.99	70.81	126	121	120
Trombay 7B	1.64	39.70	69	67	65
Trombay 8	2.97	145.34	160	118	120
TATA Hydro	5.85	94.37	466	0	444
	36.36	915.78			1749
REL					
1&2	12.62	314.80	529	521	500
	12.62	314.80			500
Cent Sect					
Share					3172
					3172

MS PG CL	Thermal	112.34	2848.38		4885
	Thml+Gas	127.85	3228.00		5525
	Hydro	10.12	322.88		1327
	Total	137.97	3550.88		6852
State Total		228.32	5505.04		12848

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/May/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4627	82	648	5357	911	835	2944	2874	-88	-46	9931	0	9931	2001	11932	50.28
2	4594	72	647	5313	909	958	2876	2703	-88	-44	9839	0	9839	1841	11680	50.30
3	4669	82	647	5398	909	990	2876	2738	-88	-43	9992	0	9992	1743	11735	50.39
4	4678	82	648	5408	909	954	2876	2737	-88	-46	9962	0	9962	1666	11628	50.37
5	4680	88	653	5421	908	893	2902	2864	-88	-49	10037	0	10037	1638	11675	50.22
6	4785	133	654	5572	915	806	2928	3034	-88	-42	10285	0	10285	1660	11945	50.15
7	4808	138	654	5600	920	763	2921	3150	-88	-54	10379	119	10498	1642	12140	50.21
8	4828	133	654	5615	921	819	2965	3398	-132	-83	10670	149	10819	1748	12567	50.15
9	4819	213	662	5694	921	755	2978	3515	-141	-98	10787	428	11215	1999	13214	50.16
10	4777	492	665	5934	923	806	3224	3526	-446	-406	10783	1085	11868	2388	14256	50.02
11	4727	565	664	5956	921	680	3141	3545	-446	-408	10694	1310	12004	2648	14652	50.12
12	4623	699	638	5960	920	688	3139	3451	-446	-413	10606	1514	12120	2715	14835	49.87
13	4606	798	630	6034	921	782	3143	3522	-446	-406	10853	1490	12343	2739	15082	50.20
14	4636	838	627	6101	918	640	3141	3346	-430	-403	10602	1501	12103	2661	14764	50.10
15	4615	872	625	6112	920	760	3141	3336	-430	-407	10721	1199	11920	2702	14622	49.92
16	4654	774	630	6058	921	807	3141	3353	-430	-406	10733	830	11563	2725	14288	50.09
17	4746	496	648	5890	919	929	3142	3184	-430	-407	10515	717	11232	2712	13944	49.93
18	4668	188	645	5501	921	1061	3002	3500	-300	-273	10710	677	11387	2583	13970	50.08
19	4646	127	647	5420	922	1013	2900	3254	-230	-201	10408	809	11217	2459	13676	50.08
20	4703	741	639	6083	920	885	2912	3135	-185	-155	10868	1458	12326	2427	14753	49.53
21	4765	749	647	6161	925	835	2945	3127	-185	-154	10894	1931	12825	2409	15234	49.93
22	4666	590	646	5902	924	669	2945	3326	-185	-154	10667	1805	12472	2292	14764	49.88
23	4600	712	648	5960	926	482	2979	3538	-187	-156	10750	1434	12184	2246	14430	50.03
24	4518	454	650	5622	926	501	2868	3294	-72	-45	10298	1312	11610	2236	13846	50.17
MUs	112.44	10.12	15.52	138.07	22.05	19.31	72.03	77.45	-5.74	-4.90	251.98	19.77	271.75	53.88	325.63	50.09

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 25/May/2009

Position as on 6.30 Hrs of 26/May/2009

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
Chandrapur Unit 4	210	21/04/2009	00.05		Continued.	W/D for COH.	30/05/2009
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15		Continued.	Annual Overhaul	30/05/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
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	01/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 3	105	20/05/2009	21.46		Continued.	Furnace Casing damage.	28/05/2009
Uran Unit 3	60	21/05/2009	01.15		Continued.	Gas Restriction	
Koradi Unit 1	105	21/05/2009	08.49		Continued.	Hot Spot in Windbox.	26/05/2009
Nasik Unit 2	125	22/05/2009	17.15		Continued.	Coal Mill Problem	26/05/2009
Nasik Unit 4	210	23/05/2009	23.13		Continued.	Gland steam cooler leakages	26/05/2009
Cent_Sect NTPC(V-10)	500	25/05/2009	08.50		Continued.	Tripped on generator Protction operated.	26/05/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/May/2009

Position as on 6.30 Hrs of 26/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	14/05/2009	14.25		Continued.	H/T FOR O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - I	14/05/2009	08.01		Continued.	Tripped on over voltage
Seoni-Wardha-1	16/05/2009	16.35	25/05/2009	07.50	Tripped on over voltage
Wardha - Akola - II	16/05/2009	17.48	25/05/2009	09.25	Tripped on over voltage
Wardha - Akola - II	25/05/2009	15.57	25/05/2009	17.37	Tripped at Wardha.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus-II at Kolhapur	22/05/2009	14.31	25/05/2009	15.55	Isolator work.
Dabhol-NewKoyna-II	25/05/2009	10.49	25/05/2009	15.05	Restranging of earthwire.
400/220KV ICT at Khadka	25/05/2009	12.14		Continued.	L.V.side on TBC.(overhauling on own breaker.)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Temghar-Colourchem	24/05/2009	10.25		Continued.	Implementation of ERS.
125 MVA ICT-II@ BORIVALI	25/05/2009	08.40		Continued.	Replacement of isolator.
Ambazari-Amravati	25/05/2009	09.42	25/05/2009	19.14	R.M. Work
M.B. at Lote S/S.	25/05/2009	10.00	25/05/2009	18.15	Cable trench & Main bus maintenance.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Khamgaon	24/05/2009	09.14	25/05/2009	16.10	RETROFITTING
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-III at Karad.	25/05/2009	11.06	25/05/2009	13.48	Attending hot spot.
Karad-Kolhapur-II	25/05/2009	17.18	25/05/2009	17.26	Shifted on M.B.II
400/220KV 315MVA ICT-III at Karad.	25/05/2009	18.56	25/05/2009	19.26	Sparking 220 KV R ph. isolator
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
ONGC-Panvel TSS	25/05/2009	09.05	25/05/2009	19.55	Main breaker air leakage problem.
Karad-Vita-II	25/05/2009	13.06	26/05/2009	00.45	Y'Ph CT Leakage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Miraj-Vita	25/05/2009	11.00	25/05/2009	23.35	HT FOR KARAD-VITA-I LINE LOADING
Vita-Maisal	25/05/2009	11.00	25/05/2009	23.35	HT FOR KARAD-VITA-I LINE LOADING
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi - Akola	25/05/2009	15.57	25/05/2009	17.02	Tripped M I and II prot.Operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Bhugaon-Wardha	23/05/2009	16.14		Continued.	Both end Y phase CC damaged
Chalishaon-BSL-I	25/05/2009	17.04	25/05/2009	17.25	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Mehkar - Malegaon	25/05/2009	05.30	25/05/2009	05.40	Back Up O/C.
Paras-Malegaon	25/05/2009	06.22	25/05/2009	18.12	B Phase CT Burst
Voltage Level : 100KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/May/2009

Position as on 6.30 Hrs of 26/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Kalwa-Kalyan	25/05/2009	11.16	25/05/2009	11.39	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/May/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	0
Unit 4	105	75
Unit 5	200	140
Unit 6	210	140
Unit 7	210	130
	1040	555
Bhusawal		
Unit 1	58	50
Unit 2	210	150
Unit 3	210	170
	478	370
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	160
Unit 6	250	220
	940	720
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	400
Unit 6	500	425
Unit 7	500	450
	2340	1825
Paras		
Unit 2	55	30
Unit 3	250	202
	305	232
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	90
Unit 2	120	0
Unit 3	210	170
Unit 4	210	0
Unit 5	210	170
	870	430
Uran		
All Units	852	640
	852	640
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	15
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	167
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	
Dabhol		
RGPL II	740	575
RGPL III	740	
	1480	575
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	444
	2024	1874
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3122
	3143	3122