



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Oct/2009

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 24/Oct/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.515	2755.098	1) Madhya Pradesh	62.224	1336.066
2) Hydro	18.900	186.826	2) Gujrat	26.212	455.030
3) Gas	11.977	349.774	3) Goa	-7.404	-165.575
Total MSGENCO	138.392	3291.698	4)TAPS 1&2 (Inj.)	7.256	173.389
B) OTHERS			5)Pench (Excess)	-0.568	-16.789
1) RGPPL Gas	22.334	523.335	# Total Cent. Sector	87.720	1782.121
2) Wind Generation	1.068	111.606	F) Other Exchanges		
3) PENCH (MS)	1.032	17.564	1) With TPCL	-6.267	-184.008
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.616	649.010	1) MSEDCL Bilateral	4.532	54.904
2) TPCL Hydro	4.330	57.405	Include PX	0.862	5.651
TOTAL TPCL	28.946	706.415	2) MUMBAI Bilateral	7.419	204.225
3) REL Thermal	12.607	301.481	Include PX	0.470	15.526
D) STATE			3) MUMBAI Schedule	7.419	208.120
1) Thermal (A1+C1+C3)	144.738	3705.589	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	24.262	261.795	1) MSEDCL	244.279	5542.316
3) Gas (A3+B1)	34.311	873.109	2) TPCL	31.138	779.244
4) Wind (B2)	1.068	111.606	3) REL	16.581	412.620
TOTAL STATE	204.379	4952.099	TOTAL STATE	291.998	6734.180

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4554	4497	4390
MSGENCO Hydro	1280	2179	95
MSGENCO Gas	468	469	499
MSGENCO Total Generation	6302	7145	4984
Central Sector Receipt	3789	3499	3392
RGPPL	930	927	932
WIND	35	74	51
Exchange with TPCL	-495	-463	75
MSEDCL DEMAND MET	10614	11235	9487
Load Shedding	3096	3288	1530
MSEDCL DEMAND (INCL. LS)	13710	14523	11017
TPCL GENERATION	1346	1358	1108
REL GENERATION	525	525	525
TPCL+REL DEMAND	2366	2346	1558
STATE DEMAND MET	12980	13581	11045
STATE DEMAND (INCL. LS)	16076	16869	12575
Frequency (Hz)	49.51	49.17	49.70
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4943 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			90.02 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.1 Hz at 08.05 Hrs	48.76 Hz at 18.25 Hrs	49.57	1.24 % of Time

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

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 24/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.80	26.82	82	63	70
Unit 2	1.73	30.63	78	65	70
Unit 3	1.82	30.89	84	57	70
Unit 4	1.95	24.64	91	64	70
Unit 5	3.62	73.00	184	122	160
Unit 6	3.54	78.96	174	100	160
Unit 7	3.84	86.21	186	142	170
	18.30	351.15			770
Bhusawal					
Unit 1	0.85	24.47	47	20	20
Unit 2	4.13	46.63	181	157	180
Unit 3	4.52	92.44	194	183	190
	9.50	163.54			390
Parli					
Unit 1	0.58	12.84	26	23	20
Unit 2	0.56	11.98	24	21	20
Unit 3	3.76	77.61	167	150	145
Unit 4	0.09	91.96	45	0	0
Unit 5	4.19	95.42	180	171	165
Unit 6	5.36	118.16	235	211	215
	14.54	407.97			565
Chandrapur					
Unit 1	3.73	91.36	164	144	170
Unit 2	3.38	57.58	154	124	150
Unit 3	3.67	99.88	194	76	200
Unit 4	4.36	109.64	206	148	210
Unit 5	0.00	185.37	0	0	0
Unit 6	8.44	191.78	392	306	325
Unit 7	10.19	182.66	462	370	450
	33.77	918.26			1505
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	0.00	92.68	0	0	0
	0.00	97.39			0
Khaparkheda					
Unit 1	4.79	98.37	208	181	190
Unit 2	4.78	101.68	208	188	200
Unit 3	0.00	90.62	0	0	0
Unit 4	4.96	113.65	213	201	210
	14.52	404.32			600
Nasik					
Unit 1	2.02	46.70	88	75	95
Unit 2	1.96	44.15	93	62	85
Unit 3	4.44	111.21	204	168	200
Unit 4	4.46	107.07	194	177	190
Unit 5	4.00	103.33	184	137	190
	16.88	412.47			760
Uran					
All Units	11.98	349.77	619	460	460
	11.98	349.77			460
Koyna					
Stage 1-2	3.56	48.16	550	40	600
Stage 4	10.69	67.55	1115	0	250
Koyna 12&4 Total	14.25	115.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.73	27.78	320	0	320
	16.98	143.49			1170
Hydro					
KDPH	0.00	6.12	0	0	0
VTRNA	0.00	0.12	0	0	0
TILLARI	0.36	10.78	60	0	60
BHTGR/VEER	0.00	4.21	0	0	10
BHIRA T.R.	0.38	4.70	42	0	40
RNGR+BHTSA	0.26	5.30	15	0	15
BHANDARDRA	0.00	4.11	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.24	10	0	0
GHATGHAR	0.86	6.75	125	0	0
	1.92	43.33			125
PENCH (MS)					
Pench (MS)	1.03	17.56	53	27	
	1.03	17.56			
Wind					
MalharPeth	0.04	6.23			
Vankuswadi	0.18	11.83			
ATIT	0.02	4.01			
Kale	0.01	2.53			
Satara	0.11	9.72			
Shirala	0.02	4.53			
K Mahankal	0.00	2.86			
Supa	0.03	2.46			
Vita	0.32	19.74			
Dondaicha	0.15	26.37			
Sakri	0.04	5.24			
Nandurbar	0.01	3.46			
Khadakale	0.10	6.48			
Khaparale	0.02	6.04			
	1.07	111.51			
Dabhol					
RGPP L II	22.33	523.34	945	908	900
RGPP L III	0.00	0.00	0	0	
	22.33	523.34			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	3.60	196.64	430	0	0
Trombay 6	11.32	240.32	510	160	500
Trombay 7A	2.77	64.08	123	102	120
Trombay 7B	1.55	36.52	67	60	60
Trombay 8	5.38	111.45	252	183	250
TATA Hydro	4.33	57.40	459	34	447
	28.95	706.42			1377
REL					
1&2	12.61	301.48	527	523	500
	12.61	301.48			500
Cent Sect					
Share					3308
					3308

MS PG CL	Thermal	107.52	2755.10		4590
	Thml+Gas	119.49	3104.87		5050
	Hydro	18.90	186.83		1295
	Total	138.39	3291.70		6345
State Total		204.38	4952.10		12430

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/Oct/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	4337	355	616	5308	932	63	2693	3589	21	73	10018	1628	11646	1822	13468	49.72
2	4397	240	505	5142	931	58	2765	3438	21	76	9698	1679	11377	1649	13026	49.63
3	4390	95	499	4984	932	51	2767	3392	21	75	9487	1530	11017	1558	12575	49.70
4	4350	60	498	4908	932	44	2768	3494	21	72	9477	1775	11252	1508	12760	49.74
5	4376	120	499	4995	931	43	2768	3404	21	72	9472	1872	11344	1474	12818	49.59
6	4440	797	499	5736	932	42	2770	3126	21	51	9914	2066	11980	1523	13503	49.37
7	4586	519	500	5605	932	37	2679	2695	-3	57	9353	3089	12442	1524	13966	49.36
8	4620	175	501	5296	931	31	2796	2971	-3	47	9303	3508	12811	1594	14405	49.46
9	4600	117	498	5215	929	32	3049	3266	-73	-25	9444	3500	12944	1758	14702	49.58
10	4577	363	490	5430	929	34	3205	3475	-410	-360	9535	3639	13174	2056	15230	49.58
11	4575	1026	474	6075	913	35	3444	3614	-544	-499	10177	3121	13298	2263	15561	49.32
12	4554	1280	468	6302	930	35	3386	3789	-544	-495	10614	3096	13710	2366	16076	49.51
13	4445	1036	463	5944	908	30	3391	4031	-544	-493	10473	3056	13529	2363	15892	49.60
14	4376	1008	460	5844	915	29	3396	4235	-544	-493	10583	3178	13761	2279	16040	49.69
15	4380	1365	460	6205	921	34	3356	3746	-544	-508	10451	3356	13807	2282	16089	49.54
16	4395	985	464	5844	935	36	3323	3926	-544	-497	10297	3430	13727	2287	16014	49.71
17	4423	1052	466	5941	932	49	3307	3953	-544	-497	10431	3364	13795	2248	16043	49.56
18	4469	1735	468	6672	929	62	3273	3425	-471	-516	10625	3059	13684	2275	15959	49.37
19	4497	2179	469	7145	927	74	3109	3499	-518	-463	11235	3288	14523	2346	16869	49.17
20	4570	1608	482	6660	942	81	3177	3946	-569	-515	11167	3221	14388	2399	16787	49.57
21	4577	1050	517	6144	941	57	3191	4246	-522	-461	10980	2906	13886	2261	16147	49.72
22	4573	464	508	5545	941	51	3095	4486	-380	-322	10754	2942	13696	2112	15808	49.89
23	4492	772	554	5818	944	33	3277	4078	-397	-329	10577	2627	13204	1980	15184	49.59
24	4516	499	619	5634	945	27	3397	3896	-393	-317	10214	1819	12033	1893	13926	49.64
MUs	107.52	18.90	11.98	138.39	22.33	1.07	74.38	87.72	-7.42	-6.27	244.28	66.75	311.03	47.82	358.85	49.57

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 24/Oct/2009

Position as on 6.30 Hrs of 25/Oct/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
Cent_Sect NTPC(V-5)	210	21/10/2009	23.57		Continued.	Boiler Overhall	10/11/2009
Khaparkheda Unit 3	210	23/10/2009	23.59		Continued.	Annual Overhaul	19/11/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	05/11/2009
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	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	20/12/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 5	500	20/10/2009	18.52	24/10/2009	12.30	Boiler Tube Leakage.	
Chandrapur Unit 5	500	20/10/2009	20.25		Continued.	Boiler Tube Leakage.	26/10/2009
Parli Unit 4	210	23/10/2009	01.35	24/10/2009	21.52	Boiler Tube Leakage	
Uran Unit 8	108	24/10/2009	00.15	24/10/2009	20.04	Filter replacement work	
Koradi Unit 1	105	25/10/2009	03.22		Continued.	Economiser Tube Leakage	27/10/2009
Koyna Unit 7	80	25/10/2009	05:15	25/10/2009	19:50	Due to Main Bus Section II Outage.	
Koyna Unit 8	80	25/10/2009	05:25	25/10/2009	19:02	Due to Main Bus Section II Outage.	
Koyna Unit 6	75	25/10/2009	06:18	25/10/2009	18:35	Due to Main Bus Section II Outage.	
Koyna Unit 5	80	25/10/2009	06:30	25/10/2009	18:37	Due to Main Bus Section II Outage.	
Nasik Unit 2	125	25/10/2009	11:00	25/10/2009	11:40	Seal Air Fan Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2009

Position as on 6.30 Hrs of 25/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	04/10/2009	22:03	24/10/2009	11.05	H/T to control O/V.
DHULE-SAR'SAROVAR-I	18/10/2009	13.45		Continued.	H/T For O/V.
Kolhapur-Mapusa-II	24/10/2009	00.24	24/10/2009	18.06	H/T for Over Voltage
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bableshwar-Aurangabad	24/10/2009	08.08	24/10/2009	18.14	Line stringing work of 400KV Akola-A'bad D/C by PGCIL
400/220KV,315MVA ICT-II at N.Koyna	24/10/2009	08.56	24/10/2009	21.52	Isolator work
400/220 KV,105 MVA Spare ICT at Dhule	24/10/2009	11.00	24/10/2009	14.43	Q.M.work
Main Bus-I at New Koyna	24/10/2009	11.54	24/10/2009	22.10	Replacement of CVT
400/220KV ICT-II at New Koyna	25/10/2009	07:47	25/10/2009	16:20	Bus I Outage,220KV Bushing Clamp Replaced.
400 kv Main Bus-I at New Koyna	25/10/2009	08:26	25/10/2009	16:23	CVT Replacement Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
220/132 KV 150 MVA ICT - I @ NSK.	24/10/2009	06.50	24/10/2009	19.25	Y phase HV and LV Bushing replacement
220/132kv,200 MVA ICT-II at Nagar.	24/10/2009	08.25	24/10/2009	15.35	PRV replacement
Padgha - Kalwa	24/10/2009	09.11	24/10/2009	17.35	Bay Maintenance work
Purti - Bhugaon	24/10/2009	09.15	24/10/2009	13.20	Line maint.work
Tilawani-Miraj	24/10/2009	09.24	24/10/2009	17.43	Replacement of Disc Insulator
220/22KV 50MVA T/F at Theur	24/10/2009	11.00	24/10/2009	17.03	Testing work
Pophali - Karad	25/10/2009	05.20	25/10/2009	18:40	Preventive maintenance
Pophali-New Koyna	25/10/2009	05.30	25/10/2009	18:50	Preventive maintenance
220 KV Main Bus Section-II @ Pophali	25/10/2009	07.08	25/10/2009	18.00	Maintainance Work.
K'gaon-Pirangut	25/10/2009	07:25	25/10/2009	17:35	Insulator Replacement.
Pophali-Pedambe-CKT-II	25/10/2009	07:08	25/10/2009	18:00	Preventive Maintenance.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Nanded - Kandhar	23/10/2009	08.29	24/10/2009	17.43	Breaker replacement
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan	21/10/2009	07:23	25/10/2009	17:16	Shifting of Tower near SLDC Building.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Karad - Ogalewadi - II	25/10/2009	09:15	25/10/2009	17:19	Hot Spot CT Problem.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Paras-Malegaon	17/10/2009	11.43		Continued.	Ckt on TBC due to main breaker Problem.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2009

Position as on 6.30 Hrs of 25/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					ckt flow.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Raymond	23/10/2009	22.45	24/10/2009	01.25	Tripped on Backup protection
Pedambe-Pophali I	24/10/2009	12.00	24/10/2009	14.25	Distance Protection
Kandalgaon-Khargar	24/10/2009	15.08	24/10/2009	16.07	Distance protection
Trombay - Tata Tie - I	25/10/2009	11:40	25/10/2009	16:48	C. B. Problem.
Karad - Peth	25/10/2009	17:00	25/10/2009	17:56	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
KHAMGAON-WARWAT BAKAL CKT	24/10/2009	07.15	24/10/2009	07.21	Distance protection
Elichpur - Hingoli	24/10/2009	10.25	24/10/2009	23.24	Distance protection
Harangul - Udgir	25/10/2009	01.40	25/10/2009	01.55	Distance protection
Harangul - Udgir	25/10/2009	03.02	25/10/2009	03.22	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	75
Unit 4	105	80
Unit 5	200	140
Unit 6	210	125
Unit 7	210	140
	1040	630
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	190
	478	420
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	175
Unit 5	210	175
Unit 6	250	220
	940	780
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	450
	2340	1570
Paras		
Unit 2	55	0
Unit 3	250	0
	305	0
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	600
Nasik		
Unit 1	120	85
Unit 2	120	90
Unit 3	210	180
Unit 4	210	175
Unit 5	210	170
	870	700
Uran		
All Units	852	620
	852	620
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	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	125
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	960	900
RGPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3212
	3143	3212