



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Oct/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.698	2647.583	1) Madhya Pradesh	57.368	1273.842
2) Hydro	8.405	167.926	2) Gujrat	28.730	428.818
3) Gas	15.119	337.797	3) Goa	-7.393	-158.171
Total MSGENCO	140.222	3153.306	4) TAPS 1&2 (Inj.)	7.250	166.133
B) OTHERS			5) Pench (Excess)	-0.725	-16.221
1) RGPPL Gas	22.375	501.001	# Total Cent. Sector	85.230	1694.401
2) Wind Generation	1.706	110.538	F) Other Exchanges		
3) PENCH (MS)	1.036	16.532	1) With TPCL	-9.086	-177.741
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.356	624.394	1) MSEDCL Bilateral	4.778	50.371
2) TPCL Hydro	6.711	53.075	Include PX	0.823	4.790
TOTAL TPCL	29.067	677.469	2) MUMBAI Bilateral	10.274	196.806
3) REL Thermal	12.603	288.874	Include PX	1.866	15.056
D) STATE			3) MUMBAI Schedule	10.274	200.701
1) Thermal (A1+C1+C3)	151.657	3560.851	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.152	237.533	1) MSEDCL	241.483	5298.037
3) Gas (A3+B1)	37.494	838.798	2) TPCL	33.151	748.106
4) Wind (B2)	1.706	110.538	3) REL	17.604	396.039
TOTAL STATE	207.009	4747.720	TOTAL STATE	292.238	6442.182

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4869	4818	4850
MSGENCO Hydro	303	1621	35
MSGENCO Gas	620	616	639
MSGENCO Total Generation	5792	7055	5524
Central Sector Receipt	3904	3837	3185
RGPPL	911	936	938
WIND	106	38	66
Exchange with TPCL	-773	-687	37
MSEDCL DEMAND MET	9967	11232	9800
Load Shedding	3377	3645	1571
MSEDCL DEMAND (INCL. LS)	13344	14877	11371
TPCL GENERATION	1293	1263	1058
REL GENERATION	523	524	526
TPCL+REL DEMAND	2589	2474	1547
STATE DEMAND MET	12556	13706	11347
STATE DEMAND (INCL. LS)	15933	17351	12918
Frequency (Hz)	49.44	49.47	49.73
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4631 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.30 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.2 Hz at 05.05 Hrs	48.8 Hz at 18.25 Hrs	49.59	.5 % 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 23/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.60	25.02	72	57	70
Unit 2	1.50	28.90	70	53	70
Unit 3	1.54	29.07	74	50	70
Unit 4	1.52	22.69	76	38	70
Unit 5	3.69	69.38	171	132	160
Unit 6	3.62	75.41	163	129	150
Unit 7	4.02	82.37	181	153	180
	17.48	332.85			770
Bhusawal					
Unit 1	0.50	23.62	22	19	20
Unit 2	4.20	42.50	191	160	180
Unit 3	4.60	87.92	196	183	190
	9.31	154.03			390
Parli					
Unit 1	0.57	12.26	25	21	25
Unit 2	0.56	11.42	24	22	25
Unit 3	3.18	73.85	152	103	150
Unit 4	0.18	91.87	149	0	0
Unit 5	4.12	91.24	180	160	175
Unit 6	5.43	112.80	243	206	225
	14.04	393.43			600
Chandrapur					
Unit 1	3.85	87.63	167	158	149
Unit 2	3.43	54.20	148	139	135
Unit 3	4.30	96.21	200	141	181
Unit 4	4.79	105.28	206	149	191
Unit 5	0.00	185.37	0	0	0
Unit 6	8.19	183.34	385	284	280
Unit 7	10.03	172.47	442	363	416
	34.60	884.50			1352
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	4.93	92.68	221	179	200
	4.93	97.39			200
Khaparkheda					
Unit 1	4.65	93.58	202	180	190
Unit 2	4.58	96.90	195	186	190
Unit 3	4.43	90.62	204	83	180
Unit 4	5.04	108.70	215	202	210
	18.70	389.80			770
Nasik					
Unit 1	1.96	44.68	88	72	95
Unit 2	1.90	42.20	95	60	95
Unit 3	4.77	106.77	208	175	200
Unit 4	4.66	102.62	202	184	190
Unit 5	4.34	99.33	190	167	195
	17.64	395.58			775
Uran					
All Units	15.12	337.80	644	615	620
	15.12	337.80			620
Koyna					
Stage 1-2	2.72	44.60	330	35	600
Stage 4	3.07	56.85	981	0	250
Koyna 12&4 Total	5.78	101.46			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.24	25.05	310	0	320
	7.03	126.51			1170
Hydro					
KDPH	0.00	6.12	0	0	0
VTRNA	0.00	0.12	0	0	0
TILLARI	0.34	10.42	59	0	60
BHTGR/VEER	0.00	4.21	0	0	0
BHIRA T.R.	0.49	4.32	42	0	40
RNGR+BHTSA	0.25	5.04	15	0	15
BHANDARDRA	0.00	4.11	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.05	1.19	10	0	9
GHATGHAR	0.24	5.89	125	0	0
	1.38	41.42			124
PENCH (MS)					
Pench (MS)	1.04	16.53	54	20	
	1.04	16.53			
Wind					
MalharPeth	0.10	6.19			
Vankuswadi	0.31	11.65			
ATIT	0.07	3.99			
Kale	0.02	2.52			
Satara	0.12	9.61			
Shirala	0.11	4.51			
K Mahankal	0.21	2.86			
Supa	0.06	2.44			
Vita	0.46	19.42			
Dondaicha	0.00	26.22			
Sakri	0.00	5.20			
Nandurbar	0.00	3.45			
Khadakale	0.18	6.37			
Khaparale	0.07	6.02			
	1.71	110.44			
Dabhol					
RGPP L II	22.38	501.00	942	911	900
RGPP L III	0.00	0.00	0	0	
	22.38	501.00			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	193.04	0	0	0
Trombay 6	12.24	229.00	510	510	500
Trombay 7A	2.60	61.30	120	89	120
Trombay 7B	1.50	34.97	66	56	60
Trombay 8	6.02	106.07	253	247	250
TATA Hydro	6.71	53.08	424	68	447
	29.07	677.47			1377
REL					
1&2	12.60	288.87	527	523	500
	12.60	288.87			500
Cent Sect					
Share					3463
					3463

MS PG CL	Thermal	116.70	2647.58		4857
	Thml+Gas	131.82	2985.38		5477
	Hydro	8.40	167.93		1294
	Total	140.22	3153.31		6771
State Total		207.01	4747.72		13011

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	5016	70	634	5720	936	73	2717	3361	-50	-11	10129	1736	11865	1781	13646	49.66
2	4900	70	634	5604	938	77	2674	3163	-6	33	9865	1788	11653	1629	13282	49.56
3	4850	35	639	5524	938	66	2676	3185	-6	37	9800	1571	11371	1547	12918	49.73
4	4865	45	641	5551	940	65	2677	3106	-6	36	9748	1770	11518	1476	12994	49.86
5	4869	35	642	5546	940	73	2678	3192	-6	33	9834	1764	11598	1471	13069	49.83
6	4865	281	643	5789	940	88	2681	3141	-6	36	10044	1965	12009	1539	13548	49.73
7	4887	120	642	5649	940	102	2683	2401	-6	34	9176	3399	12575	1614	14189	49.54
8	4963	55	644	5662	939	89	2799	2710	-6	36	9463	3561	13024	1670	14694	49.64
9	4942	92	640	5674	937	84	2941	2857	-147	-108	9471	3554	13025	1948	14973	49.68
10	4954	158	635	5747	930	92	3436	3271	-471	-428	9639	3541	13180	2294	15474	49.46
11	4948	191	623	5762	917	102	3663	3769	-705	-663	9914	3362	13276	2549	15825	49.44
12	4869	303	620	5792	911	106	3590	3904	-799	-773	9967	3377	13344	2589	15933	49.44
13	4840	205	617	5662	918	79	3557	4005	-771	-716	9974	3336	13310	2530	15840	49.56
14	4939	231	620	5790	922	58	3490	3886	-705	-652	10039	3392	13431	2474	15905	49.54
15	4874	145	625	5644	920	57	3536	4050	-752	-699	10025	3532	13557	2508	16065	49.47
16	4858	90	615	5563	922	55	3711	3807	-761	-707	9693	3660	13353	2521	15874	49.47
17	4860	120	615	5595	929	47	3697	4099	-742	-689	10035	3560	13595	2499	16094	49.58
18	4782	539	618	5939	927	44	3644	4036	-690	-632	10334	3203	13537	2404	15941	49.42
19	4769	1409	620	6798	932	47	3458	3899	-730	-670	11059	3482	14541	2563	17104	49.42
20	4818	1621	616	7055	936	38	3479	3837	-749	-687	11232	3645	14877	2474	17351	49.47
21	4798	1353	626	6777	940	60	3383	3840	-650	-587	11084	3399	14483	2373	16856	49.63
22	4832	507	635	5974	942	76	3486	3872	-546	-482	10432	3434	13866	2218	16084	49.78
23	4829	321	634	5784	940	72	3531	4022	-502	-435	10433	2695	13128	2122	15250	49.59
24	4614	409	639	5662	941	83	3208	3805	-464	-392	10149	1883	12032	1963	13995	49.72
MUs	116.74	8.40	15.12	140.26	22.38	1.73	77.40	85.22	-10.27	-9.09	241.54	70.61	312.15	50.76	362.90	49.59

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 23/Oct/2009

Position as on 6.30 Hrs of 24/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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Oct/2009

Position as on 6.30 Hrs of 24/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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 Ckt I	23/10/2009	00.06	23/10/2009	19.01	H/T for Over Voltage
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		
400/220KV,315MVA ICT-II at Kharghar	23/10/2009	08.29	23/10/2009	19.19	Isolator Maint.work
400/220KV, 315MVA ICT-II at Padgha	23/10/2009	09.06	23/10/2009	18.06	To attend hot spot and bay maint.
M.B.-I @ KHAGHAR	23/10/2009	09.55	23/10/2009	18.52	CVT replacement work
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
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.
220/100KV,125MVA ICT-III at Kalwa	23/10/2009	07.20	23/10/2009	18.03	To attend CT Oil leakage
Kanhan - Bhandara - I	23/10/2009	08.29	23/10/2009	19.15	Replacement of Insulator String
Miraj - Tilwani	23/10/2009	08.48	23/10/2009	17.04	Insulator replacement work
Bus coupler at Bableshwar	23/10/2009	09.18	23/10/2009	15.51	Q.M.Work
Bus sectionlizer at Kalwa	23/10/2009	09.21	23/10/2009	17.35	Commissioning of highset relay
Khaparkheda - Kanhan - II	23/10/2009	10.19	23/10/2009	23.59	Retrofitting of relays
Raymond-Washala	23/10/2009	11.00	23/10/2009	19.55	Wavetrap replacement
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
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Padegaon - Gangapur	23/10/2009	08.10	23/10/2009	17.45	Stringing work of PGCIL line 400KV Akola-A'bad D/C line
Bhoisor - Bhoisor MIDC - II	23/10/2009	08.12	23/10/2009	19.47	Conductor replacement work
Nanded - Kandhar	23/10/2009	08.29	24/10/2009	17.43	Breaker replacement
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 200 MVA ICT-	22/10/2009	22.55	23/10/2009	03.15	To attend CT Oil leakage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Oct/2009

Position as on 6.30 Hrs of 24/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
IV at NSK OCR					
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 : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	20/10/2009	09.51	23/10/2009	23.57	To Control Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaperkheda - Wardha.	22/10/2009	17.20	23/10/2009	07.36	Distance Protection
Nasik - Ghatghar	23/10/2009	01.48	23/10/2009	02.31	Distance Protection
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
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36	23/10/2009	19.51	Transformer Caught Fire.
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	160
Unit 6	210	160
Unit 7	210	170
	1040	770
Bhusawal		
Unit 1	58	20
Unit 2	210	180
Unit 3	210	190
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	145
Unit 4	210	0
Unit 5	210	165
Unit 6	250	215
	940	565
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	200
Unit 4	210	210
Unit 5	500	0
Unit 6	500	325
Unit 7	500	450
	2340	1505
Paras		
Unit 2	55	0
Unit 3	250	0
	305	0
Khaparkheda		
Unit 1	210	190
Unit 2	210	200
Unit 3	210	0
Unit 4	210	210
	840	600
Nasik		
Unit 1	120	95
Unit 2	120	85
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	870	760
Uran		
All Units	852	460
	852	460
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	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
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	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3308
	3143	3308

	17616	7 of 7	12430
--	--------------	--------	--------------