



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/May/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.060	2622.975	1) Madhya Pradesh	61.333	1342.257
2) Hydro	9.270	307.719	2) Gujrat	17.292	424.505
3) Gas	15.569	349.056	3) Goa	-5.678	-140.266
Total MSGENCO	135.899	3279.750	4) TAPS 1&2 (Inj.)	6.834	145.539
B) OTHERS			5) Pench (Excess)	0.000	-1.921
1) RGPPL Gas	22.067	360.308	# Total Cent. Sector	79.781	1770.114
2) Wind Generation	16.746	278.436	F) Other Exchanges		
3) PENCH (MS)	0.000	1.921	1) With TPCL	-4.170	-43.240
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	32.246	763.202	1) MSEDCL Bilateral	7.243	222.881
2) TPCL Hydro	2.271	87.580	Include PX	0.000	33.573
TOTAL TPCL	34.517	850.782	2) MUMBAI Bilateral	5.187	67.065
3) REL Thermal	12.610	289.551	Include PX	0.000	-13.291
D) STATE			3) MUMBAI Schedule	5.187	67.065
1) Thermal (A1+C1+C3)	155.916	3675.728	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.541	397.220	1) MSEDCL	250.323	5649.210
3) Gas (A3+B1)	37.636	709.364	2) TPCL	33.875	786.941
4) Wind (B2)	16.746	278.436	3) REL	17.423	392.903
TOTAL STATE	221.839	5060.748	TOTAL STATE	301.621	6829.054

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4720	4889	4419
MSGENCO Hydro	232	683	67
MSGENCO Gas	655	649	653
MSGENCO Total Generation	5607	6221	5139
Central Sector Receipt	3751	3834	2941
RGPPL	919	920	922
WIND	627	747	671
Exchange with TPCL	-372	-100	-54
MSEDCL DEMAND MET	10532	11622	9619
Load Shedding	173	167	0
MSEDCL DEMAND (INCL. LS)	10705	11789	9619
TPCL GENERATION	1289	1708	1102
REL GENERATION	523	523	526
TPCL+REL DEMAND	2184	2331	1682
STATE DEMAND MET	12716	13953	11301
STATE DEMAND (INCL. LS)	12889	14120	11301
Frequency (Hz)	49.74	50.00	49.98
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1423 MW AT 21.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			13.79 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.66 Hz at 18.01 Hrs	49.18 Hz at 15.40 Hrs	49.86	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 23/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	1.66	24.29	77	41	65
Unit 3	0.00	28.21	0	0	0
Unit 4	1.51	24.20	80	0	75
Unit 5	0.46	66.67	138	0	0
Unit 6	3.72	74.21	174	130	140
Unit 7	3.63	72.90	180	125	130
	10.98	297.58			410
Bhusawal					
Unit 1	1.19	23.61	55	42	50
Unit 2	3.97	82.80	170	150	170
Unit 3	4.11	94.54	175	165	175
	9.27	200.96			395
Parli					
Unit 1	0.43	11.08	19	16	20
Unit 2	0.54	12.95	25	21	20
Unit 3	3.40	59.43	146	132	150
Unit 4	3.63	86.17	165	139	150
Unit 5	3.68	76.52	168	135	150
Unit 6	2.11	105.26	196	0	200
	13.80	351.40			690
Chandrapur					
Unit 1	4.00	93.39	175	142	170
Unit 2	3.97	91.66	174	160	170
Unit 3	4.95	101.44	210	199	210
Unit 4	0.00	0.00	0	0	0
Unit 5	9.33	182.84	440	350	400
Unit 6	9.41	216.65	425	360	410
Unit 7	9.23	194.49	420	355	415
	40.88	880.46			1775
Paras					
Unit 2	1.11	21.58	48	43	30
Unit 3	4.32	113.98	215	0	225
	5.42	135.56			255
Khaparkheda					
Unit 1	4.19	95.28	180	165	170
Unit 2	4.17	97.35	182	167	170
Unit 3	4.15	99.12	176	170	170
Unit 4	4.17	98.68	181	170	170
	16.69	390.43			680
Nasik					
Unit 1	2.04	43.03	93	58	90
Unit 2	0.00	32.53	0	0	0
Unit 3	4.04	98.11	190	150	180
Unit 4	3.92	98.43	183	5	170
Unit 5	4.02	94.49	174	158	170
	14.02	366.58			610
Uran					
All Units	15.57	349.06	656	631	640
	15.57	349.06			640
Koyna					
Stage 1-2	2.22	57.64	335	30	600
Stage 4	4.00	126.65	485	0	250
Kovna 12&4 Total	6.22	184.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.58	39.82	160	0	320
	7.80	224.10			1170
Hydro					
KDPH	0.00	10.88	0	0	0
VTRNA	0.55	23.00	61	0	60
TILLARI	0.00	3.53	0	0	0
BHTGR/VEER	0.36	16.95	15	15	20
BHIRA T.R.	0.21	4.28	82	0	80
RNGR+BHTSA	0.29	7.21	12	12	13
BHANDARDRA	0.00	10.83	0	0	10
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.06	12	0	10
GHATGHAR	0.00	5.87	0	0	0
	1.47	83.61			193
PENCH (MS)					
Pench (MS)	0.00	1.92	0	0	
	0.00	1.92			
Wind					
MalharPeth	0.56	8.42			
Vankuswadi	1.16	17.67			
ATIT	0.22	3.40			
Kale	0.12	3.80			
Satara	1.07	12.72			
Shirala	0.44	6.67			
K Mahankal	0.09	3.92			
Supa	0.17	4.69			
Vita	2.13	31.79			
Dondaicha	7.21	122.77			
Sakri	1.21	20.16			
Nandurbar	1.03	17.90			
Khadakale	0.54	14.05			
Khaparale	0.77	10.47			
	16.75	278.44			
Dabhol					
RGPP L II	22.07	360.31	925	911	575
RGPP L III	0.00	0.00	0	0	
	22.07	360.31			575
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.02	278.45	505	450	500
Trombay 6	9.60	245.31	510	150	500
Trombay 7A	2.96	64.96	126	120	110
Trombay 7B	1.64	36.46	69	67	70
Trombay 8	6.03	138.02	254	247	250
TATA Hydro	2.27	87.58	254	2	444
	34.52	850.78			1874
REL					
1&2	12.61	289.55	529	522	500
	12.61	289.55			500
Cent Sect					
Share					3037
					3037

MS PG CL	Thermal	111.06	2622.98		4815
	Thml+Gas	126.63	2972.03		5455
	Hydro	9.27	307.72		1363
	Total	135.90	3279.75		6818
State Total		221.84	5060.75		12804

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	4541	57	649	5247	921	713	2657	2917	-89	-58	9740	0	9740	2084	11824	49.69
2	4548	67	653	5268	924	878	2661	2690	-89	-51	9709	0	9709	1901	11610	49.89
3	4529	72	655	5256	925	813	2754	2822	-89	-48	9768	0	9768	1753	11521	49.95
4	4455	77	653	5185	924	783	2795	2877	-89	-46	9723	0	9723	1703	11426	50.05
5	4419	67	653	5139	922	671	2799	2941	-89	-54	9619	0	9619	1682	11301	49.98
6	4474	230	653	5357	923	484	2802	3189	-89	-55	9898	0	9898	1681	11579	49.70
7	4655	153	653	5461	923	463	2830	2929	-89	-59	9717	167	9884	1706	11590	50.00
8	4711	123	655	5489	922	460	2884	3234	-91	-49	10056	167	10223	1740	11963	50.00
9	4763	140	656	5559	921	571	2892	3545	-99	-57	10539	167	10706	1873	12579	50.03
10	4720	232	655	5607	919	627	3161	3751	-404	-372	10532	173	10705	2184	12889	49.74
11	4456	356	650	5462	920	638	3162	3366	-404	-365	10021	179	10200	2429	12629	49.87
12	4449	774	648	5871	916	635	3164	3607	-404	-363	10666	173	10839	2494	13333	49.74
13	4567	552	648	5767	911	635	3170	3499	-404	-359	10453	167	10620	2514	13134	49.90
14	4619	542	639	5800	916	624	3167	3509	-404	-360	10489	167	10656	2422	13078	49.83
15	4607	599	631	5837	914	620	3167	3249	-404	-364	10256	167	10423	2461	12884	49.63
16	4649	742	636	6027	912	810	3167	3405	-404	-365	10789	167	10956	2475	13431	49.48
17	4630	727	649	6006	914	655	3167	3293	-404	-360	10508	167	10675	2417	13092	49.80
18	4693	640	649	5982	918	847	3009	3562	-265	-223	11086	167	11253	2322	13575	50.11
19	4770	258	645	5673	916	924	2928	3460	-201	-152	10821	167	10988	2209	13197	49.99
20	4856	458	645	5959	917	803	2974	3891	-156	-116	11454	167	11621	2318	13939	49.93
21	4889	683	649	6221	920	747	2997	3834	-158	-100	11622	167	11789	2331	14120	50.00
22	4832	635	648	6115	924	747	2999	3596	-158	-98	11284	167	11451	2250	13701	49.96
23	4712	685	641	6038	923	741	3031	3502	-155	-95	11109	0	11109	2184	13293	49.70
24	4516	401	656	5573	922	856	2960	3113	-47	-1	10463	0	10463	2164	12627	49.77
MUs	111.06	9.27	15.57	135.90	22.07	16.74	71.30	79.78	-5.19	-4.17	250.32	2.70	253.02	51.30	304.32	49.86

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/May/2009

Position as on 6.30 Hrs of 24/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	
Cent_Sect Sipat-4	500	10/05/2009	00:49	24/05/2009	14.02	Coal Shortage	
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
Parli Unit 6	250	21/05/2009	12.24	23/05/2009	05.27	Boiler Tube Leakage	
Nasik Unit 2	125	22/05/2009	17.15		Continued.	Coal Mill Problem	26/05/2009
Koradi Unit 5	200	23/05/2009	03.33	24/05/2009	03.47	Fire in Boiler corner No.4	
Paras Unit 3	250	23/05/2009	09.50	23/05/2009	12.02	Flame Failure	
Koradi Unit 4	115	23/05/2009	23.05	24/05/2009	10.32	NO COAL	
Nasik Unit 4	210	23/05/2009	23.13		Continued.	Gland steam cooler leakages	26/05/2009
Tata Trombay 8	250	24/05/2009	13:04	24/05/2009	15:14	Low Drum Level	

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

Position as on 6.30 Hrs of 24/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
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Phonda	22/05/2009	03:55	23/05/2009	12.45	Tripped on Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV OWN.Br. BSL-BBLR @ BSL.	18/05/2009	13:50	23/05/2009	21:53	Line on TBC. Breaker O/H.
BBLSR-BHUSAWAL	23/05/2009	09.40	23/05/2009	10.13	H/T for Akola-Koradi outage
Akola-koradi	23/05/2009	13.28	23/05/2009	19.25	Earth wire restringing of 220KV Akola-Badnera
Akola-Bhusawal	23/05/2009	13.28	23/05/2009	19.25	Earth wire restringing of 220KV Akola-Badnera
BBLSR-BHUSAWAL	23/05/2009	20.54	23/05/2009	21.53	Taken on Own Breaker
Padgha-Kharghar	24/05/2009	10.58	24/05/2009	17.16	To Keep Yoke Plate and One String In Order.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Kalwa-C'chem	22/05/2009	10.16	23/05/2009	00.05	Tower shifting work
Akola - Badnera - I	23/05/2009	06.40	23/05/2009	18.55	Restringing of earthwire.
K'gaon-Lonand	23/05/2009	09.51	23/05/2009	20.15	Insulator Replacement
K'gaon-Lonand	24/05/2009	08.35	24/05/2009	20.10	Insulator Replacement
Bus Section -III @ Trombay	24/05/2009	09.10	24/05/2009	17.43	R.M. Work
Temghar-Colourchem	24/05/2009	10.25		Continued.	Implementation of ERS.
Kalwa-Ghatghar	24/05/2009	11.05	24/05/2009	13.44	Line Isolator maintainece Work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
500kv HVDC Pole1	24/05/2009	16.48	24/05/2009	21.50	To Attained Thyristor Valve Problem @ Chandrapur.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhabhol-N'Thane I	22/05/2009	18.11	24/05/2009	10.35	Taken on TBC(Breaker work)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kolhapur-Karad-IV	23/05/2009	09.35	23/05/2009	11.35	Hot Spot
Kolhapur - Karad - II	23/05/2009	11.53	23/05/2009	14.17	Hot Spot
Karad - Karad - II	23/05/2009	14.43	23/05/2009	16.43	Hot Spot
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-Waluj	24/05/2009	09.50	24/05/2009	19.18	Hand Tripped to Control BBLR ICT Load.
Bablsr-Ranjangaon	24/05/2009	13.07	24/05/2009	18.35	Hand Tripped to Control BBLR ICT Load.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE I -CHDPR	23/05/2009	19.24	24/05/2009	02:50	Thyristor valve problem
Voltage Level : 220KV			Outage Type TRIPPED		
Akola - Badnera - II	22/05/2009	17.56	23/05/2009	18.59	Tripped on Distance protection

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

Position as on 6.30 Hrs of 24/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Trombay-Mulund	23/05/2009	12.09	24/05/2009	22.10	Charged from Mulund end only.
Butibori - Wardha	23/05/2009	16.14	23/05/2009	16.21	Distance Protection
Warora-Wardha	23/05/2009	16.14	23/05/2009	16.21	Distance Protection
PUSAD-BHUGAON	23/05/2009	16.14	23/05/2009	17.07	Distance Protection
Bhugaon-Wardha	23/05/2009	16.14		Continued.	Both end Y phase CC damaged

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/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	0
Unit 5	200	70
Unit 6	210	160
Unit 7	210	150
	1040	450
Bhusawal		
Unit 1	58	50
Unit 2	210	170
Unit 3	210	175
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	165
Unit 6	250	220
	940	725
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	0
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1750
Paras		
Unit 2	55	45
Unit 3	250	210
	305	255
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	180
Unit 4	210	0
Unit 5	210	170
	870	440
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	61
TILLARI	60	0
BHTGR/VEER	21	16
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	15
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	184
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		
RGPPPL II	740	575
RGPPPL III	740	
	1480	575
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	444
	2024	1874
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3028
	3143	3028