



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/May/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/May/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.455	2289.896	1) Madhya Pradesh	59.450	1168.819
2) Hydro	3.905	290.063	2) Gujrat	14.948	376.437
3) Gas	15.941	302.452	3) Goa	-6.016	-123.214
Total MSGENCO	131.301	2882.411	4) TAPS 1&2 (Inj.)	6.842	125.055
B) OTHERS			5) Pench (Excess)	0.000	-1.921
1) RGPPL Gas	21.811	294.249	# Total Cent. Sector	75.224	1545.176
2) Wind Generation	9.854	232.167	F) Other Exchanges		
3) PENCH (MS)	0.000	1.921	1) With TPCL	-3.426	-31.264
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.329	664.717	1) MSEDCL Bilateral	10.743	194.980
2) TPCL Hydro	5.248	75.494	Include PX	3.194	28.407
TOTAL TPCL	38.577	740.211	2) MUMBAI Bilateral	4.556	51.841
3) REL Thermal	12.574	251.726	Include PX	0.114	-13.291
D) STATE			3) MUMBAI Schedule	4.556	51.841
1) Thermal (A1+C1+C3)	157.358	3206.339	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.153	367.478	1) MSEDCL	234.764	4926.581
3) Gas (A3+B1)	37.752	596.701	2) TPCL	36.447	680.061
4) Wind (B2)	9.854	232.167	3) REL	18.128	339.394
TOTAL STATE	214.117	4402.685	TOTAL STATE	289.339	5946.036

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4614	4754	4545
MSGENCO Hydro	154	458	95
MSGENCO Gas	636	690	655
MSGENCO Total Generation	5404	5902	5295
Central Sector Receipt	3501	3031	2970
RGPPL	919	917	917
WIND	162	733	407
Exchange with TPCL	-336	-111	25
MSEDCL DEMAND MET	9650	10472	9614
Load Shedding	1850	1893	0
MSEDCL DEMAND (INCL. LS)	11500	12365	9614
TPCL GENERATION	1819	1831	1211
REL GENERATION	524	521	525
TPCL+REL DEMAND	2679	2463	1711
STATE DEMAND MET	12329	12935	11325
STATE DEMAND (INCL. LS)	14179	14828	11325
Frequency (Hz)	49.71	49.40	49.95
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3274 MW At 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			40.84 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.62 Hz at 18.00 Hrs	48.87 Hz at 21.03 Hrs	49.73	.61 % 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 20/May/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.60	6.72	68	0	0
Unit 2	0.00	21.13	0	0	0
Unit 3	1.44	28.21	76	0	70
Unit 4	1.61	19.78	81	54	70
Unit 5	2.67	60.94	155	0	120
Unit 6	3.35	64.34	159	116	130
Unit 7	3.15	63.44	169	90	100
	12.83	264.54			490
Bhusawal					
Unit 1	1.14	20.00	56	19	50
Unit 2	3.91	70.82	176	136	170
Unit 3	4.09	82.26	177	156	175
	9.14	173.07			395
Parli					
Unit 1	0.43	9.79	19	16	20
Unit 2	0.55	11.31	24	21	20
Unit 3	3.58	51.11	150	142	150
Unit 4	3.71	75.17	158	149	165
Unit 5	4.08	64.82	182	157	165
Unit 6	5.11	100.83	224	190	220
	17.45	313.04			740
Chandrapur					
Unit 1	3.92	81.18	176	139	170
Unit 2	3.87	79.77	167	153	170
Unit 3	4.31	87.92	198	143	190
Unit 4	0.00	0.00	0	0	0
Unit 5	7.01	154.16	355	258	250
Unit 6	7.48	189.00	356	255	400
Unit 7	8.05	166.28	368	317	350
	34.64	758.31			1530
Paras					
Unit 2	1.13	18.68	49	46	45
Unit 3	5.54	99.59	255	210	235
	6.67	118.27			280
Khaparkheda					
Unit 1	4.22	82.76	186	158	170
Unit 2	4.09	84.91	177	165	170
Unit 3	4.14	86.71	174	169	170
Unit 4	4.16	86.15	175	169	170
	16.61	340.53			680
Nasik					
Unit 1	0.00	38.20	0	0	0
Unit 2	1.77	29.66	86	57	81
Unit 3	4.20	85.34	180	169	170
Unit 4	4.16	86.24	179	168	180
Unit 5	4.00	82.68	173	157	170
	14.12	322.13			601
Uran					
All Units	15.94	302.45	697	627	640
	15.94	302.45			640
Koyna					
Stage 1-2	1.82	52.30	220	40	600
Stage 4	0.07	121.85	70	0	250
Koyna 12&4 Total	1.88	174.16			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.04	37.11	38	0	320
	1.92	211.27			1170
Hydro					
KDPH	0.00	10.88	0	0	0
VTRNA	0.50	21.41	61	0	61
TILLARI	0.00	3.53	0	0	0
BHTGR/VEER	0.38	15.85	16	15	20
BHIRA T.R.	0.30	3.64	80	0	80
RNGR+BHTSA	0.30	6.34	13	12	13
BHANDARDRA	0.42	10.66	20	13	30
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.88	10	0	0
GHATGHAR	0.03	5.60	34	0	0
	1.98	78.80			204
PENCH (MS)					
Pench (MS)	0.00	1.92	0	0	
	0.00	1.92			
Wind					
MalharPeth	0.27	7.22			
Vankuswadi	0.60	15.12			
ATIT	0.09	2.92			
Kale	0.04	3.53			
Satara	0.25	10.58			
Shirala	0.20	5.70			
K Mahankal	0.31	3.41			
Supa	0.07	4.21			
Vita	0.85	26.67			
Dondaicha	4.90	100.44			
Sakri	0.84	16.51			
Nandurbar	0.83	14.86			
Khadakale	0.41	12.47			
Khaparale	0.19	8.53			
	9.85	232.17			
Dabhol					
RGPP L II	21.81	294.25	922	778	875
RGPP L III	0.00	0.00	0	0	
	21.81	294.25			875
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	242.19	505	500	500
Trombay 6	10.61	214.94	510	225	500
Trombay 7A	2.94	56.10	126	120	110
Trombay 7B	1.64	31.55	69	67	70
Trombay 8	6.03	119.92	253	250	250
TATA Hydro	5.25	75.49	444	2	447
	38.58	740.21			1877
REL					
1&2	12.57	251.73	528	521	500
	12.57	251.73			500
Cent Sect					
Share					2949
					2949

MS PG CL	Thermal	111.46	2289.90		4716
	Thml+Gas	127.40	2592.35		5356
	Hydro	3.90	290.06		1374
	Total	131.30	2882.41		6730
State Total		214.12	4402.68		12931

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4605	124	654	5383	778	660	2765	2880	-31	24	9725	898	10623	2092	12715	49.96
2	4552	85	656	5293	849	637	2765	2682	-31	25	9486	888	10374	1903	12277	50.06
3	4555	90	656	5301	917	668	2767	2825	-31	24	9735	0	9735	1783	11518	50.02
4	4545	95	655	5295	917	407	2767	2970	-31	25	9614	0	9614	1711	11325	49.95
5	4572	90	656	5318	917	409	2767	2799	-31	23	9466	274	9740	1679	11419	50.05
6	4634	149	656	5439	915	380	2746	2726	-31	25	9485	585	10070	1674	11744	50.02
7	4641	153	652	5446	916	340	2690	2689	-29	24	9415	747	10162	1680	11842	49.94
8	4745	167	652	5564	917	235	2883	2841	-73	-14	9543	466	10009	1811	11820	50.03
9	4756	155	648	5559	918	164	2892	3171	-83	-22	9790	379	10169	2026	12195	49.78
10	4693	138	636	5467	917	154	3204	3379	-390	-335	9582	1541	11123	2372	13495	49.62
11	4614	154	636	5404	919	162	3358	3501	-381	-336	9650	1850	11500	2679	14179	49.71
12	4635	278	628	5541	918	152	3358	3736	-381	-339	10008	2411	12419	2748	15167	49.56
13	4689	208	627	5524	913	198	3363	3675	-381	-349	9961	2670	12631	2770	15401	49.50
14	4633	156	628	5417	915	275	3363	3748	-381	-347	10008	2822	12830	2676	15506	49.61
15	4568	166	630	5364	915	356	3362	3664	-390	-357	9942	2745	12687	2740	15427	49.50
16	4556	248	656	5460	916	366	3361	3585	-390	-375	9952	2873	12825	2749	15574	49.42
17	4574	83	686	5343	918	484	3361	3499	-390	-360	9884	2546	12430	2724	15154	49.69
18	4635	105	695	5435	922	535	3223	3492	-263	-229	10155	1798	11953	2598	14551	50.10
19	4711	160	697	5568	920	827	3156	3227	-199	-161	10381	1533	11914	2479	14393	49.99
20	4754	458	690	5902	917	733	2867	3031	-155	-111	10472	1893	12365	2463	14828	49.40
21	4710	278	690	5678	918	581	2880	2620	-155	-100	9697	1989	11686	2426	14112	49.28
22	4708	167	695	5570	917	597	2886	2870	-152	-93	9861	1807	11668	2306	13974	49.37
23	4735	115	696	5546	920	313	2951	3020	-148	-88	9711	1675	11386	2253	13639	49.43
24	4672	83	696	5451	922	219	2839	3045	-31	20	9657	1618	11275	2235	13510	49.43
MUs	111.49	3.91	15.87	131.27	21.81	9.85	72.57	75.68	-4.56	-3.43	235.18	36.01	271.19	54.58	325.76	49.73

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 20/May/2009

Position as on 6.30 Hrs of 21/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.	25/05/2009
Cent_Sect NTPC(V-4)	210	28/04/2009	10.15		Continued.	Annual Overhaul	23/05/2009
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		Continued.	Coal Shortage	22/05/2009
Koradi Unit 1	105	16/05/2009	03.45	20/05/2009	11.42	Low Vaccum	
Koradi Unit 2	105	18/05/2009	05.59		Continued.	Fire In Wind Box	22/05/2009
Nasik Unit 1	125	18/05/2009	16:00		Continued.	Boiler Tube Leakage	22/05/2009
Uran Unit 3	60	18/05/2009	18:35	20/05/2009	14.40	Gas Restriction	
Koradi Unit 5	200	20/05/2009	14.29	20/05/2009	17.02	Furnace Pressure High	
Koradi Unit 3	105	20/05/2009	21.46		Continued.	Furnace Casing damage.	22/05/2009
Uran Unit 3	60	21/05/2009	01.15		Continued.	Gas Restriction	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2009

Position as on 6.30 Hrs of 21/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
DHULE-SAR'SAROVAR-I	21/05/2009	00.33		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		Continued.	Tripped on over voltage
Wardha - Akola - II	16/05/2009	17.48		Continued.	Tripped on over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	20/05/2009	18.00	20/05/2009	21.15	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC at Parly-II	07/04/2009	00.00		Continued.	Compressor Problem.
400 KV OWN.Br. BSL-BBLR @ BSL.	18/05/2009	13:50		Continued.	Line on TBC. Breaker O/H.
Karad-New Koyna II	20/05/2009	09.24	20/05/2009	17.40	Removing of broken spacer and repl.of Disc Insulator.
Chandrapur-parli - III	20/05/2009	21.59	20/05/2009	22.22	To Take Back 400 KV 50 MVAR Reactor in Service.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
SPCL - IPCL	20/05/2009	09.19	20/05/2009	15.45	Repl.Of Distance Protection Relay
Wadkhal-IPCL-II	20/05/2009	09.19	20/05/2009	16.09	Repl.Of Distance Protection Relay
Kharepatan-Pawas	20/05/2009	10.30	20/05/2009	17.10	Hand cleaning and washing of line Insulator
Bale-Osmanbad	20/05/2009	10.55	20/05/2009	20.30	Crimping Work.
Bale-Murud	20/05/2009	11.10	20/05/2009	20.40	Crimping Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
KALMESHVAR-PANDURNA	19/05/2009	18:06	20/05/2009	07.09	RED HOT.
220 KV Main Bus-I at Lamboti	20/05/2009	14.49	20/05/2009	18.20	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT II	19/05/2009	22:13	20/05/2009	08.54	H/T for 'R'ph Sparking Isolator @ Kolhapur end.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	15/05/2009	08.12		Continued.	In View of 400 KV Akola ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Bablsr-Padgha Ckt I	19/05/2009	16:12	20/05/2009	03:47	Tripped on Dist.Prot.
400/220kv 315MVA ICT-II at Karad.	20/05/2009	04.40	20/05/2009	08.42	Tripped On NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha--Dhamangaon	19/05/2009	14.33		Continued.	H/T to control Akola ICT.
Karad - Vita - I	20/05/2009	04:35	20/05/2009	19.33	Tripped ,Dist.Prot.
Ambazari-Amravati	20/05/2009	18.00	20/05/2009	18.18	Distance Protection
Nasik-Bablsr Ckt I	20/05/2009	18.45		Continued.	Distance Protection
Aurangabad-Jalna-I	20/05/2009	18.49	20/05/2009	20.42	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/May/2009

Position as on 6.30 Hrs of 21/May/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Badnera-Amravati	20/05/2009	19.00	20/05/2009	19.25	Distance Protection
Nasik-Bablswr Ckt II	20/05/2009	19.02		Continued.	Distance Protection
Ambazari-Amravati	20/05/2009	19.03	20/05/2009	19.42	Distance Protection
Khaparkheda-Kawlewada-I	20/05/2009	20.53		Continued.	At Kawlewada B Ph Wave Trap jumper Open.
Trombay-Nerul	20/05/2009	23.35		Continued.	Dist.Prot.Y Ph-E.
Kharghar-Nerul	20/05/2009	23.37		Continued.	Dist.Prot.Y Ph-E.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/May/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	35
Unit 2	105	0
Unit 3	105	0
Unit 4	105	50
Unit 5	200	130
Unit 6	210	140
Unit 7	210	120
	1040	475
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	200
	940	705
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	190
Unit 4	210	0
Unit 5	500	350
Unit 6	500	350
Unit 7	500	400
	2340	1630
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	0
Unit 2	120	81
Unit 3	210	180
Unit 4	210	170
Unit 5	210	170
	870	601
Uran		
All Units	852	650
	852	650
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	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	23
BHANDARDRA	45	20
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	203
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	100
Trombay 7B	60	100
Trombay 8	250	230
TATA Hydro	444	444
	2024	1874
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2978
	3143	2978