



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jun/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jun/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.300	3023.237	1) Madhya Pradesh	49.091	1640.501
2) Hydro	5.048	320.762	2) Gujrat	22.363	469.662
3) Gas	14.060	381.238	3) Goa	-5.985	-160.640
Total MSGENCO	134.408	3725.237	4) TAPS 1&2 (Inj.)	3.659	146.746
B) OTHERS			5) Pench (Excess)	-0.125	-3.086
1) RGPPL Gas	22.388	594.548	# Total Cent. Sector	69.003	2093.183
2) Wind Generation	13.002	345.103	F) Other Exchanges		
3) PENCH (MS)	0.125	3.086	1) With TPCL	-8.300	-245.582
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.193	758.717	1) MSEDCL Bilateral	9.437	249.696
2) TPCL Hydro	4.353	112.477	Include PX	0.075	4.707
TOTAL TPCL	25.546	871.194	2) MUMBAI Bilateral	7.447	228.092
3) REL Thermal	12.679	339.974	Include PX	1.156	69.705
D) STATE			3) MUMBAI Schedule	10.162	258.082
1) Thermal (A1+C1+C3)	149.172	4121.928	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.526	436.325	1) MSEDCL	230.626	6518.661
3) Gas (A3+B1)	36.448	975.786	2) TPCL	30.349	961.484
4) Wind (B2)	13.002	345.103	3) REL	16.173	495.214
TOTAL STATE	208.148	5879.142	TOTAL STATE	277.148	7975.359

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	4928	4838	4637
MSGENCO Hydro	474	323	89
MSGENCO Gas	626	624	536
MSGENCO Total Generation	6028	5785	5262
Central Sector Receipt	2846	3209	2586
RGPPL	930	932	935
WIND	327	859	550
Exchange with TPCL	-562	-407	-42
MSEDCL DEMAND MET	9578	10378	9291
Load Shedding	2548	2951	970
MSEDCL DEMAND (INCL. LS)	12126	13329	10261
TPCL GENERATION	1276	1289	860
REL GENERATION	525	526	530
TPCL+REL DEMAND	2363	2222	1432
STATE DEMAND MET	11941	12600	10723
STATE DEMAND (INCL. LS)	14489	15551	11693
Frequency (Hz)	49.02	49.57	49.28
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2638 MW at 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			41.34 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.19 Hz at 19.00 Hrs	48.69 Hz at 14.13 Hrs	49.29	14.44 % 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 27/Jun/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.88	34.04	83	70	70
Unit 2	0.00	8.73	0	0	0
Unit 3	1.68	25.30	74	57	70
Unit 4	1.73	23.01	80	66	70
Unit 5	3.89	101.83	171	145	160
Unit 6	3.80	72.26	169	145	150
Unit 7	3.88	105.73	185	135	150
	16.85	370.90			670
Bhusawal					
Unit 1	1.19	31.63	57	42	50
Unit 2	3.74	96.97	167	142	170
Unit 3	4.06	112.65	180	156	175
	8.99	241.26			395
Parli					
Unit 1	0.48	14.07	20	19	20
Unit 2	0.59	14.54	26	23	20
Unit 3	3.52	89.16	158	137	150
Unit 4	3.71	101.43	161	149	150
Unit 5	3.79	107.39	166	152	150
Unit 6	0.00	0.58	0	0	0
	12.09	327.17			490
Chandrapur					
Unit 1	4.04	109.51	173	161	170
Unit 2	3.86	105.01	163	159	160
Unit 3	4.57	118.93	206	172	210
Unit 4	3.74	81.98	190	75	80
Unit 5	9.33	251.20	440	258	450
Unit 6	9.11	235.32	410	356	440
Unit 7	9.84	269.37	437	381	430
	44.49	1171.33			1940
Paras					
Unit 2	0.93	17.17	41	36	40
Unit 3	4.04	117.34	181	162	160
	4.96	134.50			200
Khaparkheda					
Unit 1	4.24	112.16	184	169	175
Unit 2	4.10	106.31	180	146	175
Unit 3	4.28	106.97	187	167	175
Unit 4	4.24	113.17	182	171	175
	16.85	438.61			700
Nasik					
Unit 1	1.88	46.60	92	54	90
Unit 2	0.00	24.09	0	0	0
Unit 3	0.00	30.08	0	0	0
Unit 4	4.75	121.80	208	189	200
Unit 5	4.43	116.90	190	180	190
	11.06	339.46			480
Uran					
All Units	14.06	381.24	649	534	620
	14.06	381.24			620
Koyna					
Stage 1-2	1.70	69.65	150	40	600
Stage 4	0.79	151.25	220	0	250
Kovna 12&4 Total	2.50	220.90			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.54	48.99	160	0	320
	3.04	269.89			1170
Hydro					
KDPH	0.72	8.88	32	30	32
VTRNA	0.50	10.24	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	6.11	0	0	0
BHIRA T.R.	0.18	6.02	41	0	41
RNGR+BHTSA	0.23	6.87	10	9	10
BHANDARDRA	0.00	4.42	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.02	10	0	9
GHATGHAR	0.32	7.31	120	0	0
	2.01	50.87			153
PENCH (MS)					
Pench (MS)	0.12	3.09	24	0	0
	0.12	3.09			0
Wind					
MalharPeth	0.62	10.92			
Vankuswadi	1.36	25.78			
ATIT	0.25	5.45			
Kale	0.10	2.64			
Satara	1.25	17.15			
Shirala	0.34	8.20			
K Mahankal	0.09	6.03			
Supa	0.26	5.51			
Vita	2.74	49.93			
Dondaicha	3.63	136.50			
Sakri	0.57	25.03			
Nandurbar	0.54	21.10			
Khadakale	0.74	16.53			
Khaparale	0.51	14.35			
	13.00	345.10			
Dabhol					
RGPP L II	22.39	594.55	939	923	890
RGPP L III	0.00	0.00	0	0	0
	22.39	594.55			890
Tata					
Trombay 4	1.58	1.65	92	15	50
Trombay 5	0.00	260.88	0	0	0
Trombay 6	12.13	306.22	510	430	500
Trombay 7A	2.97	78.19	126	121	120
Trombay 7B	1.62	43.35	68	67	60
Trombay 8	2.89	68.44	123	117	120
TATA Hydro	4.35	112.48	389	4	447
	25.55	871.19			1297
REL					
1&2	12.68	339.97	531	523	500
	12.68	339.97			500
Cent Sect					
Share					2997
					2997

MS PG CL	Thermal	115.30	3023.24		4875
	Thml+Gas	129.36	3404.48		5495
	Hydro	5.05	320.76		1323
	Total	134.41	3725.24		6818
State Total		208.15	5879.14		12502

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Jun/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	4667	79	562	5308	937	664	3038	2845	-396	-280	9474	941	10415	1649	12064	49.24
2	4670	89	556	5315	936	600	2847	2605	-235	-112	9344	951	10295	1486	11781	49.24
3	4637	89	536	5262	935	550	2790	2586	-123	-42	9291	970	10261	1432	11693	49.28
4	4593	85	534	5212	939	525	2790	2530	-123	-44	9162	1145	10307	1432	11739	49.52
5	4677	80	534	5291	934	572	2791	2538	-123	-42	9293	1099	10392	1371	11763	49.27
6	4740	261	550	5551	934	483	2791	2627	-123	-43	9552	1222	10774	1443	12217	49.03
7	4878	231	601	5710	936	431	2788	2433	-173	-92	9418	2032	11450	1501	12951	49.43
8	4927	151	649	5727	934	407	2868	2585	-273	-194	9459	1744	11203	1605	12808	49.27
9	4948	146	646	5740	933	519	2791	2562	-323	-244	9510	1926	11436	1794	13230	49.27
10	4975	160	635	5770	929	392	3138	2700	-463	-387	9404	2078	11482	2089	13571	49.11
11	4986	438	634	6058	933	366	3136	2784	-638	-563	9578	2419	11997	2280	14277	49.28
12	4928	474	626	6028	930	327	3135	2837	-638	-562	9569	2548	12117	2363	14480	49.02
13	4880	413	582	5875	923	306	3179	3045	-713	-640	9529	2657	12186	2330	14516	49.14
14	4848	120	560	5528	928	318	3182	3108	-688	-621	9285	2640	11925	2256	14181	48.94
15	4824	120	564	5508	929	467	3180	2983	-688	-622	9289	2768	12057	2273	14330	49.02
16	4871	90	563	5524	934	461	3191	3096	-638	-574	9465	2598	12063	2262	14325	49.34
17	4846	90	586	5522	933	505	3213	3172	-639	-575	9580	2626	12206	2233	14439	49.35
18	4842	141	586	5569	934	550	3110	2985	-540	-468	9571	2651	12222	2192	14414	49.68
19	4842	150	618	5610	933	697	3071	3126	-505	-434	9932	2470	12402	2132	14534	49.59
20	4838	323	624	5785	932	859	3128	3209	-477	-407	10378	2951	13329	2222	15551	49.57
21	4840	448	621	5909	932	777	3142	3172	-477	-405	10385	2701	13086	2231	15317	49.34
22	4717	367	564	5648	932	739	3144	3066	-402	-330	10055	2527	12582	2115	14697	49.32
23	4664	298	564	5526	934	778	3266	3239	-383	-314	10163	1769	11932	1996	13928	49.38
24	4654	205	565	5424	934	713	3273	3168	-378	-305	9934	1242	11176	1838	13014	49.31
MUs	115.29	5.05	14.06	134.40	22.39	13.01	72.98	69.00	-10.16	-8.30	230.62	48.68	279.30	46.52	325.82	49.29

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 27/Jun/2009

Position as on 6.30 Hrs of 28/Jun/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
Cent_Sect NTPC(K-3)	210	01/06/2009	00.00		Continued.	Annual Overhaul	06/07/2009
Nasik Unit 3	210	07/06/2009	21.37		Continued.	Capital overhaul	18/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Refueling Outage.	30/07/2009
Cent_Sect TARAPUR-4	540	28/06/2009	06.00		Continued.	Deficiencies.	04/07/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
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	25/07/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Parli Unit 6	250	03/06/2009	06.35		Continued.	Bearing Vibration.	20/07/2009
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	30/06/2009
Koradi Unit 2	105	07/06/2009	08:19		Continued.	ID Fan Problem	30/06/2009
Uran Unit 3	60	20/06/2009	11.15		Continued.	Gas Restriction	
Cent_Sect sipat-5	500	21/06/2009	20.15	27/06/2009	15.35	Boiler Tube Leakage	
Tata Trombay 5	500	22/06/2009	17.50		Continued.	Boiler Tube Leakage	30/06/2009
Nasik Unit 2	125	25/06/2009	04:10		Continued.	Fire in Wind Box.	30/06/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	29/06/2009
Paras Unit 3	250	28/06/2009	15.46		Continued.	A C Supply Failure.	29/06/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jun/2009

Position as on 6.30 Hrs of 28/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Taps-Boiser	23/06/2009	13.44	28/06/2009	22.31	Zone Outage.
220 KV Taps Zone -I.	23/06/2009	13:44		Continued.	Gantry Replacement Work.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	19/06/2009	16:13		Continued.	3 Tower Collapsed.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
Seoni - Wardha	26/06/2009	18.57	27/06/2009	07.35	TRIPPED ON O/V
Wardha - Akola - I	26/06/2009	19.05		Continued.	TRIPPED ON O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
C;pur-Parli CKT .I	12/06/2009	10:56		Continued.	Line on TBC.
ICT II @ BBLSWR S/S	25/06/2009	23.50		Continued.	Tap changing work.
400 Kv HVDC AC-II at Padgha	27/06/2009	09.51	27/06/2009	18.27	Line on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
100MVA ICT-III at Nasik	27/06/2009	08.15	27/06/2009	15.15	Tan Delta Testing Work.
220/132 KV,200MVA, ICT-II @ Harangul.	27/06/2009	11.05	27/06/2009	18.30	Commissioning of N-2 injection Fire Fighting system.
KDPH-Wankuswadi	27/06/2009	11.40	27/06/2009	15.45	R Phase Jumper Replacement.
Theur - Jejuri	27/06/2009	14.55	27/06/2009	17.35	Retrofitting work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Muktainagar	18/06/2009	11.41		Continued.	Breaker Replacement
Bhandara-Madgi CKT.II	18/06/2009	13.40		Continued.	Breaker Replacement
Chalisgaon - Manmad - I	27/06/2009	08.50	27/06/2009	12.25	L.A. Replacement.
Padegaon - Harsul - III	27/06/2009	10.35		Continued.	Relay Retrofitting Work.
Waghala- Jangamwadi	27/06/2009	14.23	27/06/2009	15.40	To attend hot spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Dahanu-Bhoisor	27/06/2009	23.05	28/06/2009	23.36	Retrofitting work.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	19/06/2009	11.44	28/06/2009	10.30	H/T to control voltage at Akola.
Wardha-Badnera	26/06/2009	21.04	28/06/2009	14.04	H/T to control Akola ICT.
Parbhani-Pusad	28/06/2009	04.59	28/06/2009	19.40	Hand Tripped for Wardha-Yavetmal Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400kv BSL S/S,200MVA,400/132KV	27/06/2009	05.30	27/06/2009	08.36	Tripped from L.V.side.
PADGHA-KHARGHAR	27/06/2009	19.00	28/06/2009	05.42	Distance Protection Operated R & Y Phase.
400/220KV 315MVA ICT at Akola.	28/06/2009	13.25	28/06/2009	20.05	Tripped from L.V.side.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Raymond	27/06/2009	13.25	27/06/2009	16.10	Bus Bar Protection Operated.
220/132 KV 200 MVA T/F @ Raymond	27/06/2009	13.25	27/06/2009	16.25	Bus Bar Protection Operated.
Raymond - TKS	27/06/2009	13.25	27/06/2009	16.10	Bus Bar Protection Operated.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jun/2009

Position as on 6.30 Hrs of 28/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Raymond-Washala	27/06/2009	13.25	27/06/2009	16.35	Bus Bar Protection Operated.
Apta-Uran-IV	27/06/2009	14.15	27/06/2009	16.01	Tripped.
220/132 KV 100 MVA ICT-II @ Bhusawal	27/06/2009	20.32	27/06/2009	20.57	L V Breaker Trip on L B B
Koradi-Ambazari-I	27/06/2009	20.37	28/06/2009	10.27	Distance Protection
220/132 KV 100 MVA ICT-II @ Chikali	27/06/2009	23.45		Continued.	L V Side Y Ph.C.T.Burst.
Chikali - Paras - II	27/06/2009	23.45	28/06/2009	00.37	L V Side Y Ph.C.T.Burst.
Chikali - Paras - I	27/06/2009	23.45	28/06/2009	00.35	L V Side Y Ph.C.T.Burst.
220/132 KV,200MVA ICT at Chinchwad	28/06/2009	03.33	28/06/2009	22.29	L V Side Y Ph.C.T.Burst.
Bhugaon-Pusad	28/06/2009	04.31	28/06/2009	19.35	Distance Protection
220/33 KV 50 MVA T/F-I @ Butibori	28/06/2009	06.30	28/06/2009	07.00	Due to Tripping of 33KV Nagpur.
220/33 KV 50 MVA T/F-II @ Butibori	28/06/2009	06.30	28/06/2009	07.00	Due to Tripping of 33KV Nagpur.
220/132 KV 150 MVA ICT @ Amravati	28/06/2009	12.40		Continued.	Buchholz Trip.
Paras - Akola - I	28/06/2009	15.46	28/06/2009	16.48	Bus Bar Protection Operated.
220 KV Bus Coupler @ Paras	28/06/2009	15.46	28/06/2009	16.47	Bus Bar Protection Operated.
50 MVA 220/6.6 KV Stn T/F @ New Paras	28/06/2009	15.46	28/06/2009	16.42	Bus Bar Protection Operated.
Chikali - Paras - II	28/06/2009	15.46	28/06/2009	16.44	Bus Bar Protection Operated.
Chikali - Paras - I	28/06/2009	15.46	28/06/2009	16.51	Bus Bar Protection Operated.
Paras - Akola - II	28/06/2009	15.46	28/06/2009	16.40	Bus Bar Protection Operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	23/06/2009	16:45		Continued.	1 Tower Collapsed.
Chikali - Mehkar	27/06/2009	23.45	28/06/2009	00.44	L V Side Y Ph.C.T.Burst.
Chikali - Dugar Bid	27/06/2009	23.45	28/06/2009	00.46	L V Side Y Ph.C.T.Burst.
132/33 KV 50 MVA T/F-I @ Chikali	27/06/2009	23.45	28/06/2009	00.48	L V Side Y Ph.C.T.Burst.
Chikali - Buldhana	27/06/2009	23.45	28/06/2009	00.42	L V Side Y Ph.C.T.Burst.
132/33 KV 50 MVA T/F-II @ Chikali	27/06/2009	23.45	28/06/2009	00.48	L V Side Y Ph.C.T.Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jun/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	0
Unit 3	105	65
Unit 4	105	70
Unit 5	200	140
Unit 6	210	145
Unit 7	210	145
	1040	640
Bhusawal		
Unit 1	58	50
Unit 2	210	165
Unit 3	210	175
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	150
Unit 6	250	0
	940	490
Chandrapur		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	440
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	35
Unit 3	250	165
	305	200
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	90
Unit 2	120	0
Unit 3	210	0
Unit 4	210	200
Unit 5	210	190
	870	480
Uran		
All Units	852	575
	852	575
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	32
VTRNA	60	61
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	144
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	890
RGPL III	740	
	1700	890
Tata		
Trombay 4	150	50
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	120
TATA Hydro	444	447
	2024	1297
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3142
	3143	3142