



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Jun/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Jun/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.368	3133.605	1) Madhya Pradesh	49.164	1689.665
2) Hydro	4.985	325.747	2) Gujrat	22.542	492.204
3) Gas	14.613	395.851	3) Goa	-4.881	-165.521
Total MSGENCO	129.966	3855.203	4) TAPS 1&2 (Inj.)	3.674	150.420
B) OTHERS			5) Pench (Excess)	0.000	-3.086
1) RGPPL Gas	22.413	616.961	# Total Cent. Sector	70.499	2163.682
2) Wind Generation	11.926	357.029	F) Other Exchanges		
3) PENCH (MS)	0.000	3.086	1) With TPCL	-5.190	-250.772
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.986	780.703	1) MSEDCL Bilateral	9.443	259.138
2) TPCL Hydro	0.682	113.159	Include PX	0.000	4.707
TOTAL TPCL	22.668	893.862	2) MUMBAI Bilateral	4.442	232.534
3) REL Thermal	12.661	352.635	Include PX	0.282	69.987
D) STATE			3) MUMBAI Schedule	6.467	264.549
1) Thermal (A1+C1+C3)	145.015	4266.943	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.667	441.992	1) MSEDCL	229.614	6748.275
3) Gas (A3+B1)	37.026	1012.812	2) TPCL	15.360	976.844
4) Wind (B2)	11.926	357.029	3) REL	14.780	509.994
TOTAL STATE	199.634	6078.776	TOTAL STATE	259.754	8235.113

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4607	4512	4675
MSGENCO Hydro	225	527	82
MSGENCO Gas	619	649	540
MSGENCO Total Generation	5451	5688	5297
Central Sector Receipt	3030	3321	2383
RGPPL	930	936	936
WIND	383	534	638
Exchange with TPCL	-220	-394	9
MSEDCL DEMAND MET	9574	10085	9263
Load Shedding	2273	2740	1120
MSEDCL DEMAND (INCL. LS)	11847	12825	10383
TPCL GENERATION	1033	956	922
REL GENERATION	529	525	528
TPCL+REL DEMAND	1782	1875	1441
STATE DEMAND MET	11356	11960	10704
STATE DEMAND (INCL. LS)	13629	14700	11824
Frequency (Hz)	49.26	49.69	49.75
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2893 MW at 22.00 hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			38.54 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 18:00 Hrs	48.89 Hz at 11:15 Hrs	49.55	1.5 % 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 28/Jun/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.55	35.59	89	38	75
Unit 2	0.00	8.73	0	0	0
Unit 3	1.64	26.94	83	59	65
Unit 4	0.58	23.59	72	0	70
Unit 5	3.15	104.98	158	100	140
Unit 6	3.17	75.43	156	104	145
Unit 7	3.16	108.90	162	91	145
	13.25	384.15			640
Bhusawal					
Unit 1	1.16	32.80	56	44	50
Unit 2	3.67	100.64	161	136	165
Unit 3	4.10	116.75	179	160	175
	8.93	250.19			390
Parli					
Unit 1	0.49	14.56	22	19	20
Unit 2	0.60	15.14	27	23	20
Unit 3	3.46	92.61	160	129	150
Unit 4	3.72	105.15	162	149	150
Unit 5	3.66	111.05	169	137	150
Unit 6	0.00	0.58	0	0	0
	11.93	339.10			490
Chandrapur					
Unit 1	4.06	113.57	175	160	170
Unit 2	3.86	108.87	164	158	160
Unit 3	4.19	123.12	191	159	210
Unit 4	4.03	86.02	196	118	200
Unit 5	9.30	260.50	434	288	450
Unit 6	9.57	244.89	428	369	440
Unit 7	9.54	278.92	439	342	450
	44.56	1215.89			2080
Paras					
Unit 2	0.88	18.05	41	34	35
Unit 3	2.72	120.06	183	0	165
	3.61	138.11			200
Khaparkheda					
Unit 1	4.22	116.38	184	154	175
Unit 2	4.22	110.53	180	172	175
Unit 3	4.21	111.18	185	160	175
Unit 4	4.22	117.39	180	172	175
	16.87	455.48			700
Nasik					
Unit 1	2.08	48.67	92	80	90
Unit 2	0.00	24.09	0	0	0
Unit 3	0.00	30.08	0	0	0
Unit 4	4.72	126.52	200	189	200
Unit 5	4.44	121.33	189	180	190
	11.23	350.70			480
Uran					
All Units	14.61	395.85	654	540	575
	14.61	395.85			575
Koyna					
Stage 1-2	1.91	71.56	285	35	600
Stage 4	0.70	151.95	253	0	250
Kovna 12&4 Total	2.61	223.51			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.74	49.73	160	0	320
	3.35	273.24			1170
Hydro					
KDPH	0.24	9.12	32	0	32
VTRNA	0.43	10.67	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	6.11	0	0	0
BHIRA T.R.	0.16	6.18	41	0	41
RNGR+BHTSA	0.24	7.11	10	10	10
BHANDARDRA	0.00	4.42	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.05	1.07	9	0	0
GHATGHAR	0.51	7.82	125	0	0
	1.64	52.51			144
PENCH (MS)					
Pench (MS)	0.00	3.09	0	0	
	0.00	3.09			
Wind					
MalharPeth	0.67	11.59			
Vankuswadi	1.54	27.32			
ATIT	0.31	5.76			
Kale	0.11	2.74			
Satara	0.68	17.82			
Shirala	0.34	8.54			
K Mahankal	0.06	6.09			
Supa	0.27	5.78			
Vita	2.92	52.85			
Dondaicha	2.69	139.19			
Sakri	0.55	25.59			
Nandurbar	0.53	21.62			
Khadakale	0.86	17.40			
Khaparale	0.39	14.74			
	11.93	357.03			
Dabhol					
RGPP L II	22.41	616.96	939	927	890
RGPP L III	0.00	0.00	0	0	
	22.41	616.96			890
Tata					
Trombay 4	2.34	3.98	106	90	50
Trombay 5	0.00	260.88	0	0	0
Trombay 6	12.14	318.35	510	480	500
Trombay 7A	3.00	81.19	127	123	120
Trombay 7B	1.63	44.98	68	67	60
Trombay 8	2.88	71.32	123	117	120
TATA Hydro	0.68	113.16	115	4	447
	22.67	893.86			1297
REL					
1&2	12.66	352.64	533	506	500
	12.66	352.64			500
Cent Sect					
Share					3142
					3142

MS PG CL	Thermal	110.37	3133.60		4980
	Thml+Gas	124.98	3529.46		5555
	Hydro	4.98	325.75		1314
	Total	129.97	3855.20		6869
State Total		199.63	6078.78		12698

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	4652	87	559	5298	934	810	3108	2873	-259	-210	9705	984	10689	1648	12337	49.42
2	4718	82	546	5346	937	756	2982	2710	-165	-116	9633	990	10623	1563	12186	49.53
3	4739	87	541	5367	939	698	2899	2457	-91	-42	9419	1013	10432	1487	11919	49.74
4	4727	87	540	5354	936	699	2846	2444	-38	10	9443	1126	10569	1438	12007	49.81
5	4675	82	540	5297	936	638	2847	2383	-38	9	9263	1120	10383	1441	11824	49.75
6	4768	87	543	5398	936	662	2968	2556	-118	-70	9482	1167	10649	1508	12157	49.49
7	4817	112	595	5524	936	592	2969	2613	-118	-71	9594	1480	11074	1501	12575	49.71
8	4806	133	640	5579	936	437	2975	2489	-118	-71	9370	1524	10894	1497	12391	49.66
9	4756	111	639	5506	934	470	2977	2760	-118	-69	9601	1815	11416	1564	12980	49.62
10	4662	175	617	5454	934	397	3055	2998	-241	-192	9591	1790	11381	1713	13094	49.43
11	4625	209	619	5453	935	459	3052	3037	-241	-216	9668	2125	11793	1748	13541	49.47
12	4607	225	619	5451	930	383	3056	3030	-241	-220	9574	2273	11847	1782	13629	49.26
13	4585	200	600	5385	927	405	3055	2894	-351	-294	9317	2300	11617	1837	13454	49.46
14	4516	160	602	5278	929	334	3055	2942	-366	-307	9176	2147	11323	1799	13122	49.50
15	4458	145	608	5211	928	324	3054	3010	-341	-281	9192	2139	11331	1734	13065	49.27
16	4524	65	624	5213	927	362	3052	3057	-291	-231	9328	1898	11226	1686	12912	49.50
17	4377	50	652	5079	933	338	3048	3270	-293	-233	9387	2047	11434	1689	13123	49.66
18	4440	53	653	5146	933	424	3006	3217	-301	-236	9484	2058	11542	1689	13231	49.86
19	4417	159	654	5230	936	456	3028	3174	-358	-294	9502	2332	11834	1743	13577	49.86
20	4512	527	649	5688	936	534	3061	3321	-458	-394	10085	2740	12825	1875	14700	49.69
21	4509	789	642	5940	935	459	3062	3220	-498	-435	10119	2476	12595	1972	14567	49.31
22	4494	738	641	5873	936	390	3068	3335	-508	-446	10088	2318	12406	1944	14350	49.45
23	4501	450	644	5595	936	394	3100	3376	-499	-432	9869	1745	11614	1867	13481	49.46
24	4483	172	646	5301	934	412	3126	3333	-415	-349	9631	1286	10917	1794	12711	49.37
MUs	110.37	4.98	14.61	129.97	22.41	11.83	72.45	70.50	-6.47	-5.19	229.52	42.89	272.41	40.52	312.93	49.55

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 28/Jun/2009

Position as on 6.30 Hrs of 29/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	
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 28/Jun/2009

Position as on 6.30 Hrs of 29/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 HAND TRIPPED		
Seoni - Wardha	29/06/2009	05.39		Continued.	Hand Tripped
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.
Wardha - Akola - I	26/06/2009	19.05		Continued.	TRIPPED ON O/V
Wardha - Akola - II	29/06/2009	03.13		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.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair 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
Padegaon - Harsul - III	27/06/2009	10.35		Continued.	Relay Retrofitting Work.
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		
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.
Akola-Bhusawal	29/06/2009	03.13		Continued.	Distance Protection
Akola-koradi	29/06/2009	03.13	29/06/2009	06.00	TRIPPED ON O/V
Voltage Level : 220KV			Outage Type TRIPPED		
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 - I	27/06/2009	23.45	28/06/2009	00.35	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.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jun/2009

Position as on 6.30 Hrs of 29/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Chikali - Paras - I	28/06/2009	15.46	28/06/2009	16.51	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.
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 - Buldhana	27/06/2009	23.45	28/06/2009	00.42	L V Side Y Ph.C.T.Burst.
Chikali - Dusar 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.
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 29/Jun/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	70
Unit 4	105	0
Unit 5	200	130
Unit 6	210	130
Unit 7	210	130
	1040	540
Bhusawal		
Unit 1	58	50
Unit 2	210	165
Unit 3	210	170
	478	385
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	150
Unit 5	210	140
Unit 6	250	0
	940	470
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	210
Unit 4	210	200
Unit 5	500	440
Unit 6	500	440
Unit 7	500	460
	2340	2085
Paras		
Unit 2	55	30
Unit 3	250	0
	305	30
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	190
Unit 5	210	180
	870	460
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	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	9
GHATGHAR	250	0
	611	121
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	960	895
RGPPPL III	740	
	1700	895
Tata		
Trombay 4	150	100
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	1347
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3202
	3143	3202