



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jun/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jun/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.753	3350.027	1) Madhya Pradesh	48.791	1787.578
2) Hydro	8.245	344.591	2) Gujrat	28.080	545.913
3) Gas	14.646	425.972	3) Goa	-4.104	-174.501
Total MSGENCO	131.644	4120.590	4) TAPS 1&2 (Inj.)	3.665	157.739
B) OTHERS			5) Pench (Excess)	-0.126	-3.317
1) RGPPL Gas	22.362	661.717	# Total Cent. Sector	76.306	2313.412
2) Wind Generation	7.404	372.185	F) Other Exchanges		
3) PENCH (MS)	0.126	3.317	1) With TPCL	-4.549	-265.724
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.864	832.719	1) MSEDCL Bilateral	11.125	279.507
2) TPCL Hydro	4.174	119.689	Include PX	1.796	6.503
TOTAL TPCL	33.038	952.408	2) MUMBAI Bilateral	6.605	247.297
3) REL Thermal	12.660	377.954	Include PX	0.000	70.818
D) STATE			3) MUMBAI Schedule	6.605	283.577
1) Thermal (A1+C1+C3)	150.277	4560.700	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.545	467.597	1) MSEDCL	233.293	7208.814
3) Gas (A3+B1)	37.008	1087.689	2) TPCL	33.298	1042.390
4) Wind (B2)	7.404	372.185	3) REL	16.939	543.256
TOTAL STATE	207.234	6488.171	TOTAL STATE	283.530	8794.460

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4413	4676	4615
MSGENCO Hydro	815	551	60
MSGENCO Gas	621	599	570
MSGENCO Total Generation	5849	5826	5245
Central Sector Receipt	3187	3359	2829
RGPPL	925	932	936
WIND	199	616	227
Exchange with TPCL	-377	-132	-56
MSEDCL DEMAND MET	9783	10624	9181
Load Shedding	2495	2826	555
MSEDCL DEMAND (INCL. LS)	12278	13450	9736
TPCL GENERATION	1690	1742	823
REL GENERATION	529	523	529
TPCL+REL DEMAND	2596	2397	1408
STATE DEMAND MET	12379	13021	10589
STATE DEMAND (INCL. LS)	14874	15847	11144
Frequency (Hz)	49.33	49.77	50.13
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3321 MW at 21.00Hrs.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			53.73 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 17.48 Hrs	48.97 Hz at 14.22 Hrs	49.78	.19 % 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 30/Jun/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.95	39.37	87	77	80
Unit 2	0.00	8.73	0	0	0
Unit 3	1.86	30.45	86	64	80
Unit 4	0.00	23.59	0	0	0
Unit 5	2.82	111.03	151	96	140
Unit 6	2.99	81.82	144	102	140
Unit 7	2.82	115.00	152	65	140
	12.45	409.99			580
Bhusawal					
Unit 1	1.02	35.05	53	36	50
Unit 2	3.57	107.69	160	121	160
Unit 3	3.86	124.62	175	135	175
	8.44	267.36			385
Parli					
Unit 1	0.47	15.49	21	19	20
Unit 2	0.57	16.28	25	22	20
Unit 3	3.37	99.37	150	132	140
Unit 4	3.68	112.47	159	148	150
Unit 5	3.24	117.95	160	0	150
Unit 6	0.00	0.58	0	0	0
	11.34	362.15			480
Chandrapur					
Unit 1	0.77	117.68	162	0	165
Unit 2	3.70	116.34	158	152	155
Unit 3	4.05	131.51	185	129	170
Unit 4	4.42	94.98	198	157	200
Unit 5	10.31	280.90	460	368	450
Unit 6	9.71	264.11	425	390	440
Unit 7	10.19	299.00	443	408	460
	43.15	1304.52			2040
Paras					
Unit 2	0.92	19.82	42	34	40
Unit 3	4.02	124.08	217	26	160
	4.94	143.89			200
Khaparkheda					
Unit 1	4.42	124.94	200	173	175
Unit 2	4.18	118.82	188	162	175
Unit 3	4.34	119.71	196	164	175
Unit 4	4.36	125.96	198	168	175
	17.29	489.44			700
Nasik					
Unit 1	2.16	52.87	94	85	90
Unit 2	0.00	24.09	0	0	0
Unit 3	0.00	30.08	0	0	0
Unit 4	4.64	135.77	199	187	200
Unit 5	4.35	129.87	188	173	190
	11.15	372.68			480
Uran					
All Units	14.65	425.97	666	570	620
	14.65	425.97			620
Koyna					
Stage 1-2	1.50	74.96	195	40	600
Stage 4	4.04	162.04	565	0	250
Kovna 12&4 Total	5.53	237.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.37	52.47	240	0	320
	6.91	289.46			1170
Hydro					
KDPH	0.00	9.12	0	0	0
VTRNA	0.48	11.58	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	6.11	0	0	0
BHIRA T.R.	0.12	6.47	41	0	41
RNGR+BHTSA	0.24	7.59	10	10	10
BHANDARDRA	0.00	4.42	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.12	0	0	9
GHATGHAR	0.50	8.71	125	0	0
	1.34	55.13			121
PENCH (MS)					
Pench (MS)	0.13	3.32	24	0	
	0.13	3.32			
Wind					
MalharPeth	0.15	12.01			
Vankuswadi	0.38	28.34			
ATIT	0.11	6.00			
Kale	0.04	2.84			
Satara	0.39	18.81			
Shirala	0.16	8.89			
K Mahankal	0.05	6.19			
Supa	0.13	6.07			
Vita	1.32	55.78			
Dondaicha	2.83	144.28			
Sakri	0.66	26.74			
Nandurbar	0.44	22.45			
Khadakale	0.51	18.46			
Khaparale	0.24	15.34			
	7.40	372.18			
Dabhol					
RGPP L II	22.36	661.72	938	925	890
RGPP L III		0.00	0	0	
	22.36	661.72			890
Tata					
Trombay 4	2.42	8.82	105	93	100
Trombay 5	8.54	271.30	470	230	250
Trombay 6	10.37	340.07	510	175	500
Trombay 7A	3.02	87.22	129	124	120
Trombay 7B	1.62	48.23	68	67	60
Trombay 8	2.89	77.08	123	117	120
TATA Hydro	4.17	119.69	415	4	447
	33.04	952.41			1597
REL					
1&2	12.66	377.95	531	519	500
	12.66	377.95			500
Cent Sect					
Share					2854
					2854

MS PG CL	Thermal	108.75	3350.03		4865
	Thml+Gas	123.40	3776.00		5485
	Hydro	8.24	344.59		1291
	Total	131.64	4120.59		6776
State Total		207.23	6488.17		12617

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4355	55	573	4983	933	242	2770	3425	-121	-63	9520	851	10371	1648	12019	49.95
2	4412	65	572	5049	932	247	2738	3176	-121	-57	9347	814	10161	1527	11688	49.93
3	4553	60	572	5185	932	221	2734	3082	-121	-54	9366	650	10016	1438	11454	50.03
4	4615	60	570	5245	936	227	2737	2829	-121	-56	9181	555	9736	1408	11144	50.13
5	4587	133	610	5330	935	161	2738	2839	-121	-58	9207	577	9784	1424	11208	50.09
6	4609	50	656	5315	933	179	2738	3282	-121	-62	9647	740	10387	1464	11851	49.90
7	4672	117	666	5455	933	176	2742	3166	-121	-69	9661	1285	10946	1599	12545	50.02
8	4576	111	660	5347	934	167	2837	2983	-121	-67	9364	1383	10747	1712	12459	49.81
9	4582	116	652	5350	932	204	2814	3109	-121	-37	9558	1773	11331	1922	13253	49.72
10	4339	365	646	5350	932	227	3261	3479	-466	-380	9608	1940	11548	2329	13877	49.81
11	4278	520	632	5430	927	196	3262	3384	-466	-378	9559	2495	12054	2532	14586	49.60
12	4413	815	621	5849	925	199	3261	3187	-466	-377	9783	2495	12278	2596	14874	49.33
13	4478	570	628	5676	927	204	3258	3229	-466	-378	9677	2523	12200	2557	14757	49.60
14	4473	329	623	5425	927	228	3257	3239	-506	-415	9417	2533	11950	2494	14444	49.50
15	4470	382	622	5474	926	362	3134	3131	-506	-418	9475	2664	12139	2577	14716	49.41
16	4549	246	589	5384	927	320	3132	3120	-506	-419	9332	2713	12045	2590	14635	49.62
17	4469	123	590	5182	928	545	3038	3295	-509	-422	9528	2963	12491	2569	15060	49.83
18	4573	84	590	5247	931	585	2843	3104	-316	-223	9644	2775	12419	2501	14920	49.94
19	4643	141	597	5381	933	614	2764	3168	-228	-134	9970	2453	12423	2356	14779	50.02
20	4676	551	599	5826	932	616	2704	3359	-228	-132	10624	2826	13450	2397	15847	49.77
21	4683	1068	600	6351	936	429	2706	3116	-228	-102	10753	2537	13290	2357	15647	49.76
22	4638	820	595	6053	936	357	2705	3108	-228	-98	10380	2422	12802	2196	14998	49.77
23	4590	884	593	6067	938	355	2783	3278	-237	-104	10550	1675	12225	2081	14306	49.55
24	4519	580	590	5689	937	341	2801	3218	-160	-46	10139	1257	11396	1973	13369	49.68
MUs	108.75	8.24	14.65	131.64	22.36	7.40	69.76	76.31	-6.60	-4.55	233.29	44.90	278.19	50.25	328.44	49.78

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 30/Jun/2009

Position as on 6.30 Hrs of 01/Jul/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
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	20/07/2009
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	03/07/2009
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	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	03/07/2009
Uran Unit 3	60	20/06/2009	11.15		Continued.	Gas Restriction	
Nasik Unit 2	125	25/06/2009	04:10		Continued.	Fire in Wind Box.	03/07/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	07/07/2009
Paras Unit 3	250	28/06/2009	15.46	30/06/2009	00.42	A C Supply Failure.	
Cent_Sect NTPC(K-6)	500	29/06/2009	11:48	30/06/2009	22.02	Boiler Tube Leakage	01/07/2009
Chandrapur Unit 1	210	29/06/2009	19:52	30/06/2009	01.28	Furnace Pressure Low.	
Chandrapur Unit 1	210	30/06/2009	07.00	01/07/2009	03.38	Gen.Protection	
Parli Unit 5	210	30/06/2009	09.22	30/06/2009	11.55	Drum Level Low	
Cent_Sect NTPC(K-4)	500	30/06/2009	13.06	01/07/2009	07.21	Boiler Tube Leakage	
Uran Unit 5	108	30/06/2009	15.48	30/06/2009	17.40	Boiler Problem.	
Cent_Sect NTPC(K-6)	500	01/07/2009	00.14	01/07/2009	05.14	Turbine Trip.	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
REL 2	250	01/07/2009	16.25		Continued.	Boiler Tube Leakage	03/07/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2009

Position as on 6.30 Hrs of 01/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED 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	01/07/2009	05.38	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	01/07/2009	12.23	TRIPPED ON O/V
WARDHA-AKOLA-II	29/06/2009	03.13	01/07/2009	06.32	TRIPPED ON O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Breaker of C'Pur-Parli at Parli end	12/06/2009	10.56		Continued.	To attend hot spot on Bus Isolator, Line on TBC
400/220KV, 315MVA ICT-II at Kharghar	30/06/2009	08.44	30/06/2009	20.02	Testing and R.M. work.
Main Bus-I at Kharghar	30/06/2009	08.47	30/06/2009	19.00	Isolator work.
400/132KV, 200MVA ICT-I at Bhusawal	30/06/2009	11.05	30/06/2009	17.52	Cable Replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
C'pur-Sicom-II	29/06/2009	12:12		Continued.	Retrofitting work.
Karad-Oglewadi-I	30/06/2009	09.15	30/06/2009	20.50	Replacement of CTs
Wardha--Dhamangaon	30/06/2009	11.05	01/07/2009	18.17	Retrofitting work
Bhandara-Kanhan ckt-I	30/06/2009	11.36	30/06/2009	17.12	Q.M. WORK
220/33KV 100MVA ICT at Ghatnandre	30/06/2009	12.43	30/06/2009	15.39	Fire Protection work.
Uran-Kharghar-II	01/07/2009	09.05	01/07/2009	21.40	CT replacement
Ambazari-Amravati	01/07/2009	11.30	01/07/2009	13.17	Q.M. WORK
220/100kv, 125MVA ICT-II at Borivali	01/07/2009	14.03	01/07/2009	16.10	To attend hot spot on CT clamp
Kolhapur - Karad - II	01/07/2009	14.13	01/07/2009	19.35	LILO work at 220KV Tembhu s/s
Wardha-Badnera	01/07/2009	18.42		Continued.	Retrofitting work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Madgi CKT.II	18/06/2009	13.40		Continued.	Breaker Replacement
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Parbhani-Pusad	30/06/2009	10.29	30/06/2009	14.53	To attend hot spot
Borivali-Kalwa	30/06/2009	14.19	30/06/2009	16.02	To attend hot spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
BBLSR-BHUSAWAL	29/06/2009	22:10	01/07/2009	05.05	H/T to control Koradi-Bhusawal loading
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-Chalisgaon	30/06/2009	09.31	30/06/2009	15.45	H/T to control Koradi-Bhusawal loading
Pusad-Parbhani	30/06/2009	20.14	30/06/2009	20.28	H/T to control loading of Bhugaon-Pusad line
Ambazari-Amravati	01/07/2009	15.58	01/07/2009	17.39	H/T to control 400KV Akola-Bhusawal line loading
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2009

Position as on 6.30 Hrs of 01/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Akola-Bhusawal	29/06/2009	21:58	01/07/2009	05.01	Distance Protection
Akola - Wardha - II	01/07/2009	09.12		Continued.	Tripped on Dist.Prot. Y phase
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT-II @ Chikali	27/06/2009	23.45	30/06/2009	21.10	L V Side Y Ph.C.T.Burst.
Wardha-Bhugaon	30/06/2009	19.49	30/06/2009	20.05	Tripped from Bhugaon end only
Wardha - Yawatmal	30/06/2009	19.49	30/06/2009	20.24	Tripped on Distance protection
Mudshingi-Wathar	01/07/2009	03.05	01/07/2009	12.38	Tripped on Dist.Prot. B phase
Jejuri - Baramati	01/07/2009	05.30	01/07/2009	06.08	Tripped on Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	23/06/2009	16:45		Continued.	1 Tower Collapsed.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jul/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	120
Unit 6	210	120
Unit 7	210	120
	1040	510
Bhusawal		
Unit 1	58	40
Unit 2	210	160
Unit 3	210	175
	478	375
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	75
Unit 2	210	160
Unit 3	210	190
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	425
	2340	1925
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	185
	870	475
Uran		
All Units	852	620
	852	620
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	0
GHATGHAR	250	0
	611	112
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	890
RGPPPL III	740	0
	1700	890
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2687
	3143	2687