



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jun/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jun/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.606	2472.794	1) Madhya Pradesh	46.155	1401.706
2) Hydro	10.336	263.334	2) Gujrat	27.724	325.263
3) Gas	12.929	316.336	3) Goa	-6.099	-130.074
Total MSGENCO	136.871	3052.464	4) TAPS 1&2 (Inj.)	3.646	128.498
B) OTHERS			5) Pench (Excess)	-0.120	-2.695
1) RGPPL Gas	22.201	482.659	# Total Cent. Sector	71.306	1722.698
2) Wind Generation	7.929	292.730	F) Other Exchanges		
3) PENCH (MS)	0.120	2.695	1) With TPCL	-11.651	-174.593
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.340	666.304	1) MSEDCL Bilateral	10.258	204.883
2) TPCL Hydro	5.391	89.180	Include PX	0.000	4.633
TOTAL TPCL	29.731	755.484	2) MUMBAI Bilateral	9.113	176.706
3) REL Thermal	12.607	276.727	Include PX	2.280	55.196
D) STATE			3) MUMBAI Schedule	12.013	181.006
1) Thermal (A1+C1+C3)	150.553	3415.825	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	15.847	355.209	1) MSEDCL	226.776	5381.348
3) Gas (A3+B1)	35.130	798.995	2) TPCL	35.472	796.660
4) Wind (B2)	7.929	292.730	3) REL	18.495	410.096
TOTAL STATE	209.459	4862.759	TOTAL STATE	280.743	6588.104

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	4793	4714	4625
MSGENCO Hydro	126	1094	90
MSGENCO Gas	615	567	510
MSGENCO Total Generation	5534	6375	5225
Central Sector Receipt	3163	3041	2735
RGPPL	922	926	927
WIND	372	688	262
Exchange with TPCL	-783	-770	-51
MSEDCL DEMAND MET	9232	10260	9104
Load Shedding	2229	2646	742
MSEDCL DEMAND (INCL. LS)	11461	12906	9846
TPCL GENERATION	1453	1150	1108
REL GENERATION	521	521	527
TPCL+REL DEMAND	2757	2441	1686
STATE DEMAND MET	11989	12701	10790
STATE DEMAND (INCL. LS)	14218	15347	11532
Frequency (Hz)	49.09	49.36	49.43
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3182 MW at 22.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			35.97 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.86 Hz at 18.39 Hrs	48.74 Hz at 11.48 Hrs	49.29	14.17 % 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 22/Jun/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.91	24.34	81	76	80
Unit 2	0.00	8.73	0	0	0
Unit 3	0.00	19.45	0	0	0
Unit 4	1.80	17.64	80	70	75
Unit 5	3.67	83.00	166	138	150
Unit 6	3.68	53.33	169	142	160
Unit 7	3.52	86.82	174	130	130
	14.59	293.32			595
Bhusawal					
Unit 1	1.23	25.55	56	41	50
Unit 2	3.58	84.46	169	0	170
Unit 3	4.16	91.59	187	166	170
	8.97	201.60			390
Parli					
Unit 1	0.48	11.74	21	18	20
Unit 2	0.56	11.62	25	22	20
Unit 3	3.43	72.27	150	130	150
Unit 4	3.78	82.76	168	152	150
Unit 5	4.10	89.38	189	160	175
Unit 6	0.00	0.58	0	0	0
	12.36	268.35			515
Chandrapur					
Unit 1	4.16	89.22	178	167	170
Unit 2	3.90	85.63	166	159	165
Unit 3	4.79	95.91	209	182	210
Unit 4	1.60	70.87	74	59	70
Unit 5	10.28	206.01	456	397	450
Unit 6	9.88	189.36	435	390	440
Unit 7	9.80	221.11	448	276	430
	44.40	958.10			1935
Paras					
Unit 2	0.94	12.55	45	34	45
Unit 3	3.99	97.78	182	156	165
	4.93	110.33			210
Khaparkheda					
Unit 1	3.92	92.14	172	156	160
Unit 2	3.93	86.51	171	154	160
Unit 3	3.98	86.44	172	157	160
Unit 4	3.95	93.02	171	158	160
	15.77	358.11			640
Nasik					
Unit 1	1.86	37.32	93	67	90
Unit 2	1.59	21.92	84	50	70
Unit 3	0.00	30.08	0	0	0
Unit 4	4.67	98.64	203	181	200
Unit 5	4.46	95.01	192	176	190
	12.59	282.98			550
Uran					
All Units	12.93	316.34	634	334	620
	12.93	316.34			620
Koyna					
Stage 1-2	2.34	57.53	335	35	600
Stage 4	3.88	124.13	840	0	250
Kovna 12&4 Total	6.22	181.66			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.92	40.23	314	0	240
	8.14	221.89			1090
Hydro					
KDPH	0.38	6.10	16	15	18
VTRNA	0.47	7.84	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.19	5.78	8	8	8
BHIRA T.R.	0.20	4.55	78	0	80
RNGR+BHTSA	0.24	5.71	10	10	10
BHANDARDRA	0.29	4.13	12	12	12
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.03	0.92	10	0	0
GHATGHAR	0.39	6.42	125	0	0
	2.19	41.44			188
PENCH (MS)					
Pench (MS)	0.12	2.70	24	0	
	0.12	2.70			
Wind					
MalharPeth	0.16	8.36			
Vankuswadi	0.56	20.18			
ATIT	0.21	4.13			
Kale	0.06	2.14			
Satara	0.54	13.12			
Shirala	0.22	6.47			
K Mahankal	0.09	5.09			
Supa	0.06	4.20			
Vita	1.96	36.45			
Dondaicha	2.75	124.78			
Sakri	0.48	22.47			
Nandurbar	0.46	19.38			
Khadakale	0.30	13.41			
Khaparale	0.08	12.56			
	7.93	292.73			
Dabhol					
RGPP L II	22.20	482.66	931	916	877
RGPP L III	0.00	0.00	0	0	
	22.20	482.66			877
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.75	260.88	505	0	500
Trombay 6	10.67	245.23	510	210	500
Trombay 7A	2.89	63.35	124	118	120
Trombay 7B	1.60	35.19	68	64	60
Trombay 8	2.43	61.65	146	59	150
TATA Hydro	5.39	89.18	456	2	447
	29.73	755.48			1777
REL					
1&2	12.61	276.73	529	521	500
	12.61	276.73			500
Cent Sect					
Share					3180
					3180

MS PG CL	Thermal	113.61	2472.79		4835
	Thml+Gas	126.54	2789.13		5455
	Hydro	10.34	263.33		1278
	Total	136.87	3052.46		6733
State Total		209.46	4862.76		13067

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	4675	281	507	5463	928	274	3111	2845	-273	-249	9261	714	9975	2011	11986	49.35
2	4635	108	500	5243	928	280	2838	2781	-132	-204	9041	714	9755	1923	11678	49.45
3	4625	90	510	5225	927	262	2733	2735	-85	-51	9104	742	9846	1686	11532	49.43
4	4672	95	505	5272	928	245	2734	2711	-85	-47	9109	880	9989	1641	11630	49.41
5	4743	90	518	5351	927	267	2733	2761	-85	-47	9259	834	10093	1620	11713	49.25
6	4812	213	527	5552	929	304	2574	2782	75	104	9671	878	10549	1605	12154	49.37
7	4882	184	596	5662	931	297	2628	2479	22	60	9429	892	10321	1692	12013	49.53
8	4885	151	634	5670	927	348	2675	2581	-22	-4	9522	680	10202	1753	11955	49.43
9	4915	147	627	5689	924	477	2837	2758	-186	-163	9685	984	10669	2026	12695	49.41
10	4929	157	619	5705	924	504	3226	2925	-467	-455	9603	1329	10932	2426	13358	49.27
11	4837	148	618	5603	924	375	3283	3219	-536	-604	9532	1663	11195	2663	13858	49.33
12	4793	126	615	5534	922	372	3324	3163	-546	-783	9232	2229	11461	2757	14218	49.09
13	4778	86	616	5480	919	373	3556	3123	-781	-755	9164	2287	11451	2736	14187	49.35
14	4783	86	603	5472	919	278	3555	3010	-781	-753	8950	2259	11209	2664	13873	49.17
15	4744	101	594	5439	916	214	3553	3137	-841	-814	8906	2395	11301	2742	14043	48.94
16	4740	91	582	5413	920	279	3554	3158	-841	-815	8955	2203	11158	2717	13875	49.07
17	4688	91	593	5372	921	280	3549	3397	-841	-817	9153	2286	11439	2672	14111	49.17
18	4666	254	613	5533	924	243	3361	3188	-901	-866	9022	2401	11423	2658	14081	49.36
19	4702	528	611	5841	924	462	2958	3092	-830	-795	9524	2271	11795	2453	14248	49.48
20	4714	1094	567	6375	926	688	3043	3041	-807	-770	10260	2646	12906	2441	15347	49.36
21	4687	1753	367	6807	927	326	3056	3048	-787	-664	10444	2392	12836	2364	15200	49.19
22	4693	1676	337	6706	929	308	3059	3043	-744	-705	10281	2254	12535	2311	14846	49.23
23	4578	1466	336	6380	927	231	3347	3202	-772	-728	10012	1579	11591	2268	13859	49.09
24	4430	1320	334	6084	930	242	3355	3127	-769	-726	9657	1168	10825	2160	12985	49.16
MUs	113.61	10.34	12.93	136.87	22.20	7.93	74.64	71.31	-12.01	-11.65	226.78	38.68	265.46	53.99	319.44	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 22/Jun/2009

Position as on 6.30 Hrs of 23/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(V-10)	500	25/05/2009	08.50		Continued.	Capital overhaul	26/06/2009
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
Koyna Unit 10	80	20/06/2009	08.00	22/06/2009	18.10	Water Leakage.	
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	25/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Parli Unit 6	250	03/06/2009	06.35		Continued.	Bearing Vibration.	30/06/2009
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	26/06/2009
Koradi Unit 3	105	17/06/2009	20:36		Continued.	Boiler Tube Leakage	23/06/2009
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	24/06/2009
Uran Unit 8	108	22/06/2009	19.39		Continued.	Gas Restriction	
Bhusawal Unit 2	210	22/06/2009	22.35		Continued.	Economiser T/L.	24/06/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jun/2009

Position as on 6.30 Hrs of 23/Jun/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	20/06/2009	18:12	22/06/2009	07.30	H/T to Control H/V at Dhule.
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	22/06/2009	19.21	22/06/2009	22.35	TRIPPED ON O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 Kv Spare ICT at BBLR	18/06/2009	11.02		Continued.	Fitting of Baloon.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132KV,150MVA ICT-I at Akola	22/06/2009	09.22	22/06/2009	20.20	Premansoon Maintenance Work.
Talangade-Mudshingi	22/06/2009	10.37	22/06/2009	18.05	Q.M. WORK
Ghatghar-Jindal	22/06/2009	11.26	22/06/2009	17.10	Jumper Replacement.
Ghatghar - Washala	22/06/2009	11.33	22/06/2009	17.31	Jumper Replacement.
220/132,200MVA ICT at Bhoisor	22/06/2009	12.55	22/06/2009	13.40	Painting work
Chandrapur-Sicom	22/06/2009	17.05	22/06/2009	18.25	PDR relay replacement work
Taps-Boisar	22/06/2009	17.36	22/06/2009	20.07	Gantry 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
Kanhan-Mouda	22/06/2009	12.18	22/06/2009	16.05	To take Breaker Timing
Bhandara-Mouda	22/06/2009	16.17	22/06/2009	20.10	To take Breaker Timing
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	19/06/2009	11.44		Continued.	H/T to control voltage at Akola.
Wardha-Badnera	22/06/2009	20.08		Continued.	H/T to control voltage and increase ICT Load at Akola
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT-I at Kharghar	22/06/2009	14.38	22/06/2009	18.38	Tripped On NDR
Koradi-Akola	22/06/2009	19.21	22/06/2009	19.58	TRIPPED ON O/V
Akola-Bhusawal	22/06/2009	19.21	22/06/2009	20.02	TRIPPED ON O/V
AKOLA-WARDHA--I	22/06/2009	19.21	22/06/2009	23.54	Tripped on O/V at Akola end only
Voltage Level : 220KV			Outage Type TRIPPED		
Trombay - Salsett - I	21/06/2009	17.21	22/06/2009	01.10	Distance Protection
Pophali-KDPH	23/06/2009	05.00	23/06/2009	06.15	Tripped on Distance protection
KDPH-Wankuswadi	23/06/2009	05.00	23/06/2009	06.10	Tripped on Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Kawlewada-Gondia-II	22/06/2009	17.30	22/06/2009	18.10	Tripped on Distance protection
Kawlewada-Kachewani	22/06/2009	17.30	22/06/2009	17.45	Tripped on Distance protection
Chalisgaon-Dhule	22/06/2009	19.05		Continued.	Y Ph LA Burst.
Voltage Level : 100KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jun/2009

Position as on 6.30 Hrs of 23/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa-Kalyan	22/06/2009	08.15	22/06/2009	08.37	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jun/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	0
Unit 4	105	70
Unit 5	200	150
Unit 6	210	160
Unit 7	210	150
	1040	610
Bhusawal		
Unit 1	58	55
Unit 2	210	0
Unit 3	210	175
	478	230
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	170
Unit 6	250	0
	940	510
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	210
Unit 4	210	70
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	1940
Paras		
Unit 2	55	40
Unit 3	250	160
	305	200
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
	840	640
Nasik		
Unit 1	120	90
Unit 2	120	70
Unit 3	210	0
Unit 4	210	200
Unit 5	210	190
	870	550
Uran		
All Units	852	610
	852	610
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	18
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	12
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	188
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	880
RGPPPL III	740	
	1700	880
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	80
Trombay 8	250	130
TATA Hydro	444	447
	2024	1277
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3096
	3143	3096