



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jun/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.928	2244.355	1) Madhya Pradesh	50.776	1309.864
2) Hydro	8.084	248.688	2) Gujrat	19.650	275.650
3) Gas	13.285	288.780	3) Goa	-6.080	-118.379
Total MSGENCO	134.297	2781.823	4) TAPS 1&2 (Inj.)	3.551	121.209
B) OTHERS			5) Pench (Excess)	-0.362	-2.442
1) RGPPL Gas	22.164	438.269	# Total Cent. Sector	67.535	1585.902
2) Wind Generation	8.674	278.602	F) Other Exchanges		
3) PENCH (MS)	0.362	2.442	1) With TPCL	-7.198	-159.992
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.146	613.739	1) MSEDCL Bilateral	10.543	183.082
2) TPCL Hydro	3.274	82.426	Include PX	0.000	4.633
TOTAL TPCL	34.420	696.165	2) MUMBAI Bilateral	7.944	164.486
3) REL Thermal	12.564	251.501	Include PX	1.640	52.177
D) STATE			3) MUMBAI Schedule	7.944	165.886
1) Thermal (A1+C1+C3)	156.638	3109.595	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.720	333.556	1) MSEDCL	225.834	4929.488
3) Gas (A3+B1)	35.449	727.049	2) TPCL	35.339	732.077
4) Wind (B2)	8.674	278.602	3) REL	18.841	375.556
TOTAL STATE	212.481	4448.802	TOTAL STATE	280.014	6037.121

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4767	4668	4638
MSGENCO Hydro	859	91	293
MSGENCO Gas	558	492	588
MSGENCO Total Generation	6184	5251	5519
Central Sector Receipt	3013	2626	2835
RGPPL	920	921	928
WIND	279	509	309
Exchange with TPCL	-533	-578	-68
MSEDCL DEMAND MET	9933	8729	9523
Load Shedding	2097	2030	591
MSEDCL DEMAND (INCL. LS)	12030	10759	10114
TPCL GENERATION	1614	1433	1332
REL GENERATION	522	524	522
TPCL+REL DEMAND	2669	2535	1922
STATE DEMAND MET	12602	11264	11445
STATE DEMAND (INCL. LS)	14699	13294	12036
Frequency (Hz)	49.20	49.45	49.28
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2380 MW At 14.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			23.47 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.39 Hz at 18.05 Hrs	48.78 Hz at 11.16 Hrs	49.32	7.87 % 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/Jun/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.86	20.58	83	63	80
Unit 2	0.00	8.73	0	0	0
Unit 3	0.00	19.45	0	0	0
Unit 4	1.63	14.29	78	49	80
Unit 5	3.74	75.41	166	139	150
Unit 6	3.15	46.01	166	0	0
Unit 7	3.67	79.24	166	140	150
	14.04	263.72			460
Bhusawal					
Unit 1	1.22	23.10	56	44	50
Unit 2	3.97	76.88	170	160	165
Unit 3	4.19	83.29	179	165	175
	9.38	183.28			390
Parli					
Unit 1	0.53	10.75	23	20	20
Unit 2	0.60	10.45	26	23	20
Unit 3	3.38	65.40	149	132	150
Unit 4	3.77	75.23	168	143	150
Unit 5	3.99	81.20	178	149	175
Unit 6	0.00	0.58	0	0	0
	12.26	243.62			515
Chandrapur					
Unit 1	4.10	80.85	174	169	170
Unit 2	3.85	77.82	164	156	165
Unit 3	4.18	86.57	200	143	150
Unit 4	1.48	67.66	89	52	70
Unit 5	9.94	185.37	454	359	450
Unit 6	9.80	169.84	430	386	425
Unit 7	10.00	201.27	450	389	450
	43.33	869.39			1880
Paras					
Unit 2	0.52	10.62	24	20	20
Unit 3	4.45	89.48	199	177	210
	4.96	100.10			230
Khaparkheda					
Unit 1	3.96	84.28	174	154	160
Unit 2	4.00	78.66	174	161	160
Unit 3	4.06	78.33	178	164	160
Unit 4	3.90	85.14	166	159	160
	15.91	326.40			640
Nasik					
Unit 1	2.15	33.46	93	84	90
Unit 2	1.66	18.94	79	56	90
Unit 3		30.08	0	0	0
Unit 4	4.73	89.31	204	190	200
Unit 5	4.50	86.05	195	182	190
	13.04	257.84			570
Uran					
All Units	13.28	288.78	645	400	580
	13.28	288.78			580
Koyna					
Stage 1-2	2.50	53.67	290	40	600
Stage 4	2.83	119.91	560	0	250
Kovna 12&4 Total	5.34	173.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.78	37.67	160	0	320
	6.12	211.25			1170
Hydro					
KDPH	0.50	5.34	32	15	36
VTRNA	0.46	6.94	61	0	60
TILLARI		0.00	0	0	0
BHTGR/VEER	0.22	5.44	9	9	11
BHIRA T.R.	0.08	4.19	77	0	80
RNGR+BHTSA		5.23	10	10	12
BHANDARDRA	0.29	3.63	12	12	11
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.04	0.89	9	0	0
GHATGHAR	0.38	5.78	120	0	0
	1.97	37.44			210
PENCH (MS)					
Pench (MS)	0.36	2.44	70	0	
	0.36	2.44			
Wind					
MalharPeth	0.21	8.07			
Vankuswadi	0.29	19.22			
ATIT	0.06	3.80			
Kale	0.08	2.04			
Satara	0.13	12.21			
Shirala	0.08	6.08			
K Mahankal	0.03	4.95			
Supa	0.06	4.08			
Vita	0.57	33.20			
Dondaicha	5.56	119.91			
Sakri	0.89	21.62			
Nandurbar	0.42	18.19			
Khadakale	0.11	12.86			
Khaparale	0.18	12.38			
	8.67	278.60			
Dabhol					
RGPP L II	22.16	438.27	929	916	880
RGPP L III	0.00	0.00	0	0	
	22.16	438.27			880
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	242.15	505	505	500
Trombay 6	11.17	226.32	510	370	500
Trombay 7A	2.88	57.52	122	117	120
Trombay 7B	1.60	31.97	67	64	60
Trombay 8	3.38	55.78	146	138	150
TATA Hydro	3.27	82.43	367	2	447
	34.42	696.16			1777
REL					
1&2	12.56	251.50	526	521	500
	12.56	251.50			500
Cent Sect					
Share					3175
					3175

MS PG CL	Thermal	112.93	2244.36		4685
	Thml+Gas	126.21	2533.14		5265
	Hydro	8.08	248.69		1380
	Total	134.30	2781.82		6645
State Total		212.48	4448.80		12977

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4659	458	584	5701	927	300	3417	3215	-442	-402	9741	564	10305	2250	12555	49.25
2	4631	381	584	5596	928	304	3078	3020	-235	-195	9653	564	10217	2011	12228	49.20
3	4638	293	588	5519	928	309	2890	2835	-108	-68	9523	591	10114	1922	12036	49.28
4	4680	147	587	5414	928	325	2820	2711	-38	6	9384	855	10239	1833	12072	49.28
5	4685	123	583	5391	927	321	2774	2713	9	57	9409	922	10331	1764	12095	49.08
6	4654	308	582	5544	928	351	2810	2720	-23	16	9559	1090	10649	1798	12447	49.02
7	4649	189	588	5426	929	536	2872	2449	-84	-64	9276	1789	11065	1819	12884	49.33
8	4688	199	586	5473	927	287	2877	2660	-84	-65	9282	1548	10830	1864	12694	49.27
9	4639	238	582	5459	923	388	2875	2619	-84	-64	9325	2061	11386	1949	13335	49.17
10	4795	515	548	5858	921	342	3336	2816	-437	-331	9606	2009	11615	2300	13915	49.16
11	4806	799	562	6167	921	314	3444	3107	-550	-499	10010	2057	12067	2592	14659	49.44
12	4767	859	558	6184	920	279	3442	3013	-550	-533	9933	2097	12030	2669	14699	49.20
13	4711	1032	461	6204	916	242	3475	3315	-586	-578	10169	2199	12368	2668	15036	49.32
14	4711	855	400	5966	917	233	3423	3312	-586	-577	9921	2210	12131	2604	14735	49.16
15	4734	637	426	5797	921	369	3405	3100	-586	-578	9609	2320	11929	2649	14578	49.45
16	4720	297	430	5447	920	486	3404	2881	-586	-578	9156	2195	11351	2584	13935	49.37
17	4668	91	492	5251	921	509	3399	2626	-586	-578	8729	2030	10759	2535	13294	49.45
18	4735	97	518	5350	922	698	3095	2246	-389	-376	8840	1307	10147	2455	12602	49.76
19	4742	169	542	5453	924	494	2964	2061	-270	-253	8679	921	9600	2427	12027	49.74
20	4712	156	592	5460	922	551	3098	2452	-270	-252	9203	912	10115	2421	12536	49.51
21	4741	152	645	5538	923	351	3112	2730	-270	-223	9389	910	10299	2376	12675	49.40
22	4728	137	623	5488	924	354	2977	2702	-270	-226	9254	910	10164	2273	12437	49.36
23	4755	96	616	5467	923	182	3291	3180	-464	-418	9334	287	9621	2264	11885	49.27
24	4707	96	608	5411	924	153	3302	3041	-462	-419	9110	287	9397	2155	11552	49.13
MUs	112.96	8.32	13.28	134.56	22.16	8.68	75.58	67.52	-7.94	-7.20	226.09	32.64	258.73	54.18	312.91	49.32

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/Jun/2009

Position as on 6.30 Hrs of 21/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		Continued.	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	22/06/2009
Uran Unit A0	120	19/06/2009	18.48	20/06/2009	17.53	Generator Prot.	
Koradi Unit 6	210	20/06/2009	05.39	20/06/2009	09.01	Furnace Pressure High	20/06/2009
Uran Unit 3	60	20/06/2009	11.15		Continued.	Gas Restriction	
Cent_Sect NTPC(K-1)	210	20/06/2009	13:07	21/06/2009	19.58	Boiler Tube Leakage	
Uran Unit 5	108	20/06/2009	15.17	20/06/2009	16.05	Boiler Problem.	
Tata Trombay 6	500	21/06/2009	17.21	21/06/2009	19.36	External Fault.	

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

Position as on 6.30 Hrs of 21/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur CKT.II	20/06/2009	09.46	20/06/2009	15.48	Breaker Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	20/06/2009	18:12		Continued.	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 Colloped.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Colloped.
Seoni - Wardha	20/06/2009	17.05	20/06/2009	20.59	Tripped on Over Voltage.
Wardha - Akola - I	20/06/2009	17.41	20/06/2009	21.09	Tripped on Over Voltage.
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 KV M.B. I at Talangade S/S.	18/06/2009	10:53	20/06/2009	16.20	Maint.work
LONIKAND-KATHAPUR	20/06/2009	05.18	20/06/2009	09.43	Retrofitting of Distance Protection Relay.
Parli-Osmanabad	20/06/2009	07.23	20/06/2009	10.14	Replacement of Y Phase String
Uran - Khargar - I	20/06/2009	08.35	20/06/2009	19.04	Replacement of all 3 Phase MEHRU C. T. by ABB Make C. T.
BHENDA-BBLSWR	20/06/2009	09.08	20/06/2009	15.19	Q.M. WORK
125MV ICT 3 @TROMBAY	21/06/2009	09.10	21/06/2009	16.36	Shifting of 11 KV Control from Control Room.
Aurangabad-Padegaon CKT-II	21/06/2009	09.30	21/06/2009	12.00	To attend hot spot
220 KV TBC @ Aurangabad	21/06/2009	12.30	21/06/2009	17.30	To Attended B Ph C.T.as Noise Observed.
220/100 125 MVA ICT - II @ Trombay	21/06/2009	16.41	21/06/2009	18.40	Shifting of 11 KV Control from Control Room.
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
Malegaon-Mehekar Ckt.	18/06/2009	15.30		Continued.	Relay Retrofitting Work.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	19/06/2009	11.44		Continued.	H/T to control voltage at Akola.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT-I at Kharghar	21/06/2009	14.02	21/06/2009	16.30	Tripped on NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Trombay - Tata Tie - I	20/06/2009	00.21	20/06/2009	02.32	Insulator Flashover
Trombay - Tata Tie - I	20/06/2009	03.28	20/06/2009	10.37	B phase to Earth Fault
BBLSR-Waluj	20/06/2009	13.02	20/06/2009	21.27	R Phase Decapping at Waluj end.
K'gaon-Lonand	20/06/2009	14.35	20/06/2009	14.58	Distance Protection
Parbhani-Parli	20/06/2009	16.19	21/06/2009	01.26	Distance Protection
Bhusawal - Chalisgaon	20/06/2009	16:53	20/06/2009	17:12	Tripped ,Dist.Prot.

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

Position as on 6.30 Hrs of 21/Jun/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
CKT-II.					
220/132 KV T/F - I @ Boisar	20/06/2009	17.55	20/06/2009	19.49	Tripped on Bus Fault
220/132 KV T/F - II @ Boiser	20/06/2009	17.55	20/06/2009	20.18	Tripped on Bus Fault
Uran-Kharghar-II	20/06/2009	18.18	21/06/2009	15.16	Distance Protection
Nasik-Bablsr Ckt II	20/06/2009	21.07	21/06/2009	04.25	Distance Protection
BBLSR-RANJANGAON	20/06/2009	22.02	21/06/2009	14.20	Distance Protection
220/132 KV 150 MVA ICT-I at Dhule	20/06/2009	23:50	21/06/2009	13.45	Tripped on OLTC Buchhloz.
220/132 KV 100 MVA ICT - I @ Amalner	21/06/2009	07.05	21/06/2009	07.45	Tripped on Differential on Jerk.
Kandalgaon-Khargar	21/06/2009	12.19	21/06/2009	12.45	Distance Protection
BBLSWR-AIEPHATA	21/06/2009	12.38	21/06/2009	13.57	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 50 MVA T/F - I @ Harsool	20/06/2009	13:25	20/06/2009	17:10	Tripped on backup prot.
132/33 KV 50 MVA T/F - II @ Harsool	20/06/2009	13:25	20/06/2009	14:05	Tripped on backup prot.
Boiser - Viraj	20/06/2009	17.55	20/06/2009	21:11	Tripped on Bus Fault
Boiser - Palghar - I	20/06/2009	17.55	20/06/2009	19.49	Tripped on Bus Fault
Boiser - Palghar - II	20/06/2009	17.55	21/06/2009	10.09	Tripped on Bus Fault
Boiser - MIDC	20/06/2009	17.55	20/06/2009	20:04	Tripped on Bus Fault
Khadka - Savda	20/06/2009	17:07	20/06/2009	17:30	Tripped ,Dist.Prot.
Giravli-Latur	21/06/2009	20.31	21/06/2009	20.45	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jun/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	0
Unit 3	105	0
Unit 4	105	70
Unit 5	200	170
Unit 6	210	130
Unit 7	210	170
	1040	615
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	175
Unit 6	250	0
	940	515
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	210
Unit 4	210	80
Unit 5	500	450
Unit 6	500	440
Unit 7	500	450
	2340	1965
Paras		
Unit 2	55	45
Unit 3	250	180
	305	225
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	90
Unit 3	210	0
Unit 4	210	200
Unit 5	210	190
	870	570
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	36
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	12
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	12
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	210
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	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	150
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3123
	3143	3123