



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Jul/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.684	2622.386	1) Madhya Pradesh	45.151	1245.003
2) Hydro	10.765	186.044	2) Gujrat	26.257	533.345
3) Gas	13.226	357.639	3) Goa	-5.402	-153.350
Total MSGENCO	104.675	3166.069	4) TAPS 1&2 (Inj.)	5.554	117.462
B) OTHERS			5) Pench (Excess)	-0.589	-7.439
1) RGPPL Gas	22.473	621.817	# Total Cent. Sector	70.971	1735.021
2) Wind Generation	21.833	471.209	F) Other Exchanges		
3) PENCH (MS)	0.589	9.097	1) With TPCL	-8.102	-126.507
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.930	756.154	1) MSEDCL Bilateral	0.616	59.849
2) TPCL Hydro	6.643	105.841	Include PX	0.000	2.020
TOTAL TPCL	29.573	861.995	2) MUMBAI Bilateral	7.794	116.559
3) REL Thermal	12.675	339.738	Include PX	2.397	45.092
D) STATE			3) MUMBAI Schedule	7.794	127.389
1) Thermal (A1+C1+C3)	116.289	3718.278	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.997	300.982	1) MSEDCL	212.439	5885.803
3) Gas (A3+B1)	35.699	979.456	2) TPCL	33.406	877.545
4) Wind (B2)	21.833	471.209	3) REL	16.941	450.684
TOTAL STATE	191.818	5469.925	TOTAL STATE	262.786	7214.032

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	3335	3585	3175
MSGENCO Hydro	297	1665	134
MSGENCO Gas	607	526	544
MSGENCO Total Generation	4239	5776	3853
Central Sector Receipt	3177	2967	2867
RGPPL	936	936	938
WIND	965	804	809
Exchange with TPCL	-692	-497	-80
MSEDCL DEMAND MET	8652	9986	8387
Load Shedding	1912	1980	0
MSEDCL DEMAND (INCL. LS)	10564	11966	8387
TPCL GENERATION	1423	1401	779
REL GENERATION	527	525	529
TPCL+REL DEMAND	2642	2423	1388
STATE DEMAND MET	11294	12409	9775
STATE DEMAND (INCL. LS)	13206	14389	9775
Frequency (Hz)	49.79	49.49	50.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2827 MW AT 20.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.91 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 23.40 Hrs	48.99 Hz at 21.15 Hrs	49.78	.1 % 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/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	24.93	0	0	0
Unit 2	1.70	17.21	77	61	70
Unit 3	1.37	30.03	70	0	50
Unit 4	1.27	4.32	78	25	30
Unit 5	0.00	67.63	0	0	0
Unit 6	3.50	91.77	168	86	150
Unit 7	0.00	47.54	0	0	0
	7.84	283.43			300
Bhusawal					
Unit 1	0.38	21.35	32	11	20
Unit 2	1.44	69.73	142	0	0
Unit 3	3.26	97.26	158	108	150
	5.09	188.35			170
Parli					
Unit 1	0.58	13.16	26	22	25
Unit 2	0.60	15.34	26	23	25
Unit 3	0.25	54.58	169	0	0
Unit 4	0.00	79.64	0	0	0
Unit 5	4.04	103.20	177	158	175
Unit 6	0.00	0.00	0	0	0
	5.47	265.93			225
Chandrapur					
Unit 1	3.75	100.74	166	143	150
Unit 2	3.55	97.89	151	144	145
Unit 3	4.47	110.16	202	158	200
Unit 4	4.58	109.28	200	160	210
Unit 5	9.76	244.41	424	343	425
Unit 6	9.64	226.42	425	371	400
Unit 7	0.00	141.54	0	0	0
	35.76	1030.45			1530
Paras					
Unit 2	0.57	22.42	28	16	20
Unit 3	2.84	101.25	135	106	130
	3.40	123.67			150
Khaparkheda					
Unit 1	0.00	100.39	0	0	0
Unit 2	4.25	107.54	189	146	190
Unit 3	5.04	114.12	212	207	205
Unit 4	4.88	113.22	211	193	210
	14.17	435.27			605
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.45	33.55	87	42	60
Unit 3	2.04	37.12	166	0	0
Unit 4	3.96	115.30	179	151	160
Unit 5	1.49	101.15	70	52	50
	8.94	295.29			270
Uran					
All Units	13.23	357.64	619	511	600
	13.23	357.64			600
Koyna					
Stage 1-2	2.08	42.37	415	35	530
Stage 4	3.49	45.38	1117	0	250
Kovna 12&4 Total	5.57	87.75			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.66	37.01	240	0	240
	7.23	124.76			1020
Hydro					
KDPH	0.94	5.76	40	39	40
VTRNA	0.00	6.16	0	0	60
TILLARI	0.93	19.27	60	0	60
BHTGR/VEER	0.29	1.94	12	12	12
BHIRA T.R.	0.46	9.34	81	0	80
RNGR+BHTSA	0.10	4.24	4	4	0
BHANDARDRA	0.82	8.95	34	34	30
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	5.63	0	0	0
	3.53	61.28			282
PENCH (MS)					
Pench (MS)	0.59	9.10	54	0	
	0.59	9.10			
Wind					
MalharPeth	1.05	22.97			
Vankuswadi	2.46	51.86			
ATIT	0.49	10.44			
Kale	0.26	8.82			
Satara	2.04	33.66			
Shirala	0.90	19.73			
K Mahankal	0.07	10.49			
Supa	0.38	9.97			
Vita	3.51	100.65			
Dondaicha	6.12	121.70			
Sakri	1.32	20.31			
Nandurbar	0.61	13.32			
Khadakale	1.68	27.88			
Khaparale	0.93	19.40			
	21.83	471.21			
Dabhol					
RGPP L II	22.47	621.82	939	930	890
RGPP L III	0.00	0.00	0	0	
	22.47	621.82			890
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	12.00	307.28	500	500	500
Trombay 6	10.93	283.71	510	225	500
Trombay 7A	0.00	64.90	0	0	0
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	0.00	94.10	0	0	0
TATA Hydro	6.64	105.84	413	54	447
	29.57	862.00			1447
REL					
1&2	12.68	339.74	530	525	500
	12.68	339.74			500
Cent Sect					
Share					2897
					2897

MS PG CL	Thermal	80.68	2622.39		3250
	Thml+Gas	93.91	2980.02		3850
	Hydro	10.76	186.04		1302
	Total	104.68	3166.07		5152
State Total		191.82	5469.92		10886

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Jul/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	3258	129	540	3927	939	810	2637	2981	-57	-83	8580	39	8619	1654	10273	49.85
2	3182	129	517	3828	939	931	2530	2918	-57	-78	8574	0	8574	1491	10065	50.02
3	3143	134	522	3799	938	775	2530	2990	-57	-82	8430	0	8430	1421	9851	50.02
4	3175	134	544	3853	938	809	2487	2867	-57	-80	8387	0	8387	1388	9775	50.12
5	3196	124	570	3890	939	799	2490	2931	-57	-85	8474	163	8637	1419	10056	49.97
6	3210	229	569	4008	938	857	2464	3219	-57	-83	8958	861	9819	1476	11295	49.81
7	3204	231	603	4038	939	785	2454	3061	-57	-81	8796	1667	10463	1622	12085	49.94
8	3320	173	606	4099	939	907	2474	2808	-57	-89	8717	1776	10493	1792	12285	49.95
9	3376	234	612	4222	939	884	2510	2789	-95	-123	8764	1829	10593	2021	12614	49.92
10	3297	248	619	4164	938	1013	2674	2964	-408	-436	8697	1782	10479	2346	12825	49.82
11	3270	271	614	4155	935	1023	2931	3266	-667	-689	8716	1810	10526	2617	13143	49.82
12	3335	297	607	4239	936	965	3040	3177	-667	-692	8652	1912	10564	2642	13206	49.79
13	3417	312	564	4293	934	974	3039	3016	-667	-677	8550	1775	10325	2599	12924	49.84
14	3466	198	524	4188	932	974	3038	2873	-573	-580	8413	1693	10106	2503	12609	49.83
15	3450	274	511	4235	930	1043	3005	2655	-601	-610	8306	1799	10105	2529	12634	49.43
16	3327	232	515	4074	933	1023	2863	2969	-601	-608	8444	1654	10098	2528	12626	49.52
17	3335	194	525	4054	934	1118	2860	3044	-592	-601	8603	1912	10515	2522	13037	49.74
18	3472	186	516	4174	935	1039	2866	2732	-531	-541	8366	1931	10297	2469	12766	49.79
19	3580	481	516	4577	935	1031	2821	3274	-472	-476	9341	1554	10895	2403	13298	49.69
20	3585	1665	526	5776	936	804	2848	2967	-486	-497	9986	1980	11966	2423	14389	49.49
21	3563	2001	533	6097	939	844	2781	2597	-415	-399	10078	1782	11860	2346	14206	49.36
22	3568	1619	529	5716	938	917	2678	2761	-274	-258	10074	1735	11809	2198	14007	49.49
23	3484	861	519	4864	934	733	2576	2982	-152	-137	9378	1172	10550	2045	12595	49.67
24	3471	409	525	4405	936	775	2548	3130	-136	-117	9155	805	9960	1896	11856	49.85
MUs	80.68	10.76	13.23	104.68	22.47	21.83	65.14	70.97	-7.79	-8.10	212.44	31.63	244.07	50.35	294.42	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 28/Jul/2009

Position as on 6.30 Hrs of 29/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
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	05/08/2009
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Annual Overhaul.	09/08/2009
Chandrapur Unit 7	500	16/07/2009	04:53		Continued.	A/OH.	16/08/2009
Cent_Sect NTPC(V-7)	500	18/07/2009	23.27		Continued.	Annual Overhaul.	20/08/2009
Koradi Unit 7	210	20/07/2009	09.57		Continued.	Annual Overhaul	
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	04/09/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	20/08/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
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	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Cent_Sect Kawas GT1A	106	24/07/2009	09.42		Continued.	Low demand.	
Bhusawal Unit 2	210	24/07/2009	11.55	28/07/2009	09.36	Boiler Tube Leakage.	
Khaparkheda Unit 1	210	26/07/2009	11.01	29/07/2009	00.18	Boiler Tube Leakage.	
Tata Trombay 8	250	26/07/2009	12.20		Continued.	H P Bypass Problem.	14/08/2009
Koradi Unit 5	200	26/07/2009	22.22		Continued.	Boiler Tube Leakage.	30/07/2009
Nasik Unit 3	210	27/07/2009	00.50	28/07/2009	07.22	Condenser Tube Leakage.	
Parli Unit 3	210	28/07/2009	01.39	29/07/2009	09:55	Air Heater Problem.	
Cent_Sect NTPC(K-6)	500	28/07/2009	14.04	29/07/2009	12:55	Boiler Tube Leakage	
Koradi Unit 3	105	28/07/2009	21.34	29/07/2009	02.48	UAT Problem	
Parli Unit 3	210	29/07/2009	10:27	29/07/2009	12:03	Drum Level High.	

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

Position as on 6.30 Hrs of 29/Jul/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		
Kolhapur-Phonda Ckt. I	26/07/2009	09.10		Continued.	Outage.
Tillary-Phonda	26/07/2009	09.52		Continued.	Outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
AKOLA-WARDHA--I	09/07/2009	06:32		Continued.	H/T FOR O/V
Chandrapur-Bhadravati-II	23/07/2009	13.46		Continued.	H/T For O/V.
Kolhapur-Mapusa Ckt I	29/07/2009	01.15	29/07/2009	09:09	H/T for O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		
TARAPUR-BORIVALI	29/07/2009	12:30		Continued.	CT Replacement work.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Colloped.
Dhule-Sar'Sarovar II	23/07/2009	00:18		Continued.	H/T For O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Solapur-Karad	28/07/2009	09.36	28/07/2009	18.42	Scada work
Main Bus-II at Karad	28/07/2009	12.35	29/07/2009	21:00	Insulator replacement in Bus coupler bay
Padgha-Lonikhand	29/07/2009	09:39	29/07/2009	20:48	Replacement of R ph CVT.
400/220 KV 315 MVA ICT - II @ Koradi.	29/07/2009	09:47	29/07/2009	17:12	Q/M.
Karad-Kolhapur CKT II	29/07/2009	11:42	29/07/2009	21:13	Attending Sparking @ main I PG Isolator B phase.
400/220KV,315MVA ICT-I at Karad	29/07/2009	12:00	29/07/2009	21:06	Replacement of PG Isolator.
400 KV N'koyna-Bus Coupler	29/07/2009	14:22	29/07/2009	17:36	Q/M.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Nasik-Bablsr Ckt I	09/07/2009	09:45		Continued.	CKT on TBC,for Main Breaker Replacement.
220/132 KV,63 MVA,ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl.,ICT on TBC
220/132 KV 63MVA T/F I at Lonand	23/07/2009	11.50		Continued.	Errection of New T/F
C'pur-Sicom-I	26/07/2009	09.50		Continued.	C.B.Replacement Work.Line on TBC.
Parbhani-Pusad	27/07/2009	11.58	29/07/2009	02.34	Retrofitting Work.
Main Bus at Miraj	28/07/2009	09.45	28/07/2009	19.02	Q.M.work
Parli-Osmanabad	29/07/2009	09:31	29/07/2009	16:25	R ph mid span joint work.
Khapakheda - Koulawada - II	29/07/2009	10:10	29/07/2009	14:52	R.M. Work.
Lamboti-Bale-I	29/07/2009	11:17	29/07/2009	13:20	Scada work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
N.Koyna-Lote(p)	29/07/2009	12:35	29/07/2009	14:14	Hot spot on R ph @ Lote end.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Bhusawal	28/07/2009	10.28	28/07/2009	10.37	To take reactor out of service to attend oil leakage

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

Position as on 6.30 Hrs of 29/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Koradi - Bhusawal	28/07/2009	16.03	28/07/2009	16.07	To take reactor in service
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	24/07/2009	06.25		Continued.	H/T To increase Akola ICT Load
Wardha--Dhamangaon	24/07/2009	06.26		Continued.	H/T To increase Akola ICT load.
Bhigwan-Kalyani	28/07/2009	15.50	28/07/2009	17.30	Retrofitting work
Voltage Level : 220KV			Outage Type TRIPPED		
BBLSR-RANJANGAON	28/07/2009	19.49	29/07/2009	02:41	Distance protection R to E
Miraj-Vita	28/07/2009	19.55	28/07/2009	20.17	Distance protection
Miraj -Ichalkarajni	28/07/2009	19.55	29/07/2009	13:25	Distance protection Y to E
Miraj-Karad	28/07/2009	19.55	28/07/2009	20.17	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Madgi-Kawlewada-II	29/07/2009	16.35	29/07/2009	23.25	Distance protection 'Y' phase to earth.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	65
Unit 3	105	70
Unit 4	105	65
Unit 5	200	0
Unit 6	210	160
Unit 7	210	0
	1040	360
Bhusawal		
Unit 1	58	30
Unit 2	210	140
Unit 3	210	140
	478	310
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	0
	940	200
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	180
Unit 4	210	180
Unit 5	500	425
Unit 6	500	400
Unit 7	500	0
	2340	1495
Paras		
Unit 2	55	25
Unit 3	250	125
	305	150
Khaparkheda		
Unit 1	210	110
Unit 2	210	170
Unit 3	210	175
Unit 4	210	190
	840	645
Nasik		
Unit 1	120	0
Unit 2	120	50
Unit 3	210	150
Unit 4	210	160
Unit 5	210	50
	870	410
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	38
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	220
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	881
RGPL III	740	
	1700	881
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	0
TATA Hydro	444	447
	2024	1447
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2898
	3143	2898