



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Aug/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	91.366	2993.071	1) Madhya Pradesh	37.454	1256.422
2) Hydro	5.356	452.719	2) Gujrat	35.922	613.466
3) Gas	15.638	426.020	3) Goa	-5.450	-158.266
Total MSGENCO	112.360	3871.810	4) TAPS 1&2 (Inj.)	7.332	209.122
B) OTHERS			5) Pench (Excess)	-0.093	-17.167
1) RGPPL Gas	22.488	649.376	# Total Cent. Sector	75.165	1903.577
2) Wind Generation	14.251	372.781	F) Other Exchanges		
3) PENCH (MS)	0.093	18.141	1) With TPCL	-3.079	-91.714
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.157	874.284	1) MSEDCL Bilateral	5.004	117.398
2) TPCL Hydro	2.499	115.917	Include PX	0.000	8.610
TOTAL TPCL	33.656	990.201	2) MUMBAI Bilateral	4.268	117.071
3) REL Thermal	12.637	352.682	Include PX	0.054	11.452
D) STATE			3) MUMBAI Schedule	4.268	120.507
1) Thermal (A1+C1+C3)	135.160	4220.037	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.948	586.777	1) MSEDCL	221.278	6723.971
3) Gas (A3+B1)	38.126	1075.396	2) TPCL	32.540	947.223
4) Wind (B2)	14.251	372.781	3) REL	16.832	487.589
TOTAL STATE	195.485	6254.991	TOTAL STATE	270.650	8158.783

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	3735	3795	3815
MSGENCO Hydro	207	719	58
MSGENCO Gas	649	656	620
MSGENCO Total Generation	4591	5170	4493
Central Sector Receipt	3133	3533	2653
RGPPL	937	937	937
WIND	773	501	500
Exchange with TPCL	-332	-125	65
MSEDCL DEMAND MET	9102	10023	8648
Load Shedding	1373	2115	777
MSEDCL DEMAND (INCL. LS)	10475	12138	9425
TPCL GENERATION	1635	1656	1075
REL GENERATION	525	526	529
TPCL+REL DEMAND	2492	2307	1539
STATE DEMAND MET	11594	12330	10187
STATE DEMAND (INCL. LS)	12967	14445	10964
Frequency (Hz)	49.56	49.53	49.46
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2916 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			33.52 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 15.04 Hrs	48.97 Hz at 21.54 Hrs	49.65	.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 29/Aug/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.35	40.06	73	36	60
Unit 3	0.00	32.84	0	0	0
Unit 4	1.62	41.52	82	38	40
Unit 5	3.35	85.20	150	128	140
Unit 6	3.46	83.29	160	90	140
Unit 7	0.00	33.38	0	0	0
	9.78	316.29			380
Bhusawal					
Unit 1	1.01	32.11	52	28	45
Unit 2	3.52	89.26	157	132	150
Unit 3	0.00	120.65	0	0	0
	4.53	242.01			195
Parli					
Unit 1	0.55	15.40	25	19	20
Unit 2	0.58	16.03	25	23	20
Unit 3	3.88	118.41	172	136	140
Unit 4	0.00	0.00	0	0	0
Unit 5	3.99	117.02	178	146	150
Unit 6	5.19	120.68	235	178	220
	14.20	387.55			550
Chandrapur					
Unit 1	3.29	95.35	152	92	130
Unit 2	2.81	88.99	124	109	100
Unit 3	3.55	116.11	171	72	150
Unit 4	4.52	128.91	200	170	180
Unit 5	2.28	246.71	195	0	110
Unit 6	3.31	243.61	205	92	200
Unit 7	3.54	45.28	188	124	150
	23.30	964.96			1020
Paras					
Unit 2	1.03	20.99	47	40	40
Unit 3	4.87	113.52	218	186	190
	5.89	134.51			230
Khaparkheda					
Unit 1	4.74	126.70	210	180	190
Unit 2	4.36	129.76	193	145	190
Unit 3	4.86	143.16	213	180	205
Unit 4	5.03	134.82	216	196	210
	18.99	534.43			795
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.65	43.96	89	44	80
Unit 3	4.56	133.43	205	166	180
Unit 4	4.42	124.08	196	161	190
Unit 5	4.04	111.84	184	153	160
	14.68	413.31			610
Uran					
All Units	15.64	426.02	668	620	630
	15.64	426.02			630
Koyna					
Stage 1-2	1.33	86.12	130	35	600
Stage 4	1.65	235.56	668	0	250
Koyna 12&4 Total	2.98	321.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.10	77.06	240	0	240
	4.08	398.74			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.66	0	0	0
TILLARI	0.47	16.79	60	0	60
BHTGR/VEER	0.10	8.30	5	4	16
BHIRA T.R.	0.36	10.30	80	0	40
RNGR+BHTSA	0.25	7.47	18	3	17
BHANDARDRA	0.04	2.76	30	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.31	9	0	0
GHATGHAR	0.00	6.96	0	0	0
	1.28	53.98			133
PENCH (MS)					
Pench (MS)	0.09	18.14	23	0	
	0.09	18.14			
Wind					
MalharPeth	0.61	15.94			
Vankuswadi	1.52	35.30			
ATIT	0.34	8.36			
Kale	0.14	9.01			
Satara	0.74	25.54			
Shirala	0.44	10.79			
K Mahankal	1.60	13.13			
Supa	0.25	5.43			
Vita	3.01	56.42			
Dondaicha	2.90	119.85			
Sakri	0.63	22.59			
Nandurbar	0.40	14.47			
Khadakale	1.43	22.28			
Khaparale	0.23	13.67			
	14.25	372.78			
Dabhol					
RGPP L II	22.49	649.38	937	937	900
RGPP L III	0.00	0.00	0	0	
	22.49	649.38			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	350.46	505	505	500
Trombay 6	11.03	308.86	510	240	500
Trombay 7A	2.70	68.98	127	105	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.31	145.99	227	197	200
TATA Hydro	2.50	115.92	295	0	447
	33.66	990.20			1767
REL					
1&2	12.64	352.68	529	525	500
	12.64	352.68			500
Cent Sect					
Share					2935
					2935

MS PG CL	Thermal	91.37	2993.07		3780
	Thml+Gas	107.00	3419.09		4410
	Hydro	5.36	452.72		1223
	Total	112.36	3871.81		5633
State Total		195.48	6254.99		11735

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Aug/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	3868	52	655	4575	937	628	2811	2668	19	61	8869	886	9755	1863	11618	49.48
2	3836	48	655	4539	937	572	2811	2745	19	71	8864	859	9723	1693	11416	49.79
3	3799	52	622	4473	937	518	2813	2647	19	73	8648	743	9391	1622	11013	49.78
4	3815	58	620	4493	937	500	2817	2653	19	65	8648	777	9425	1539	10964	49.46
5	3803	42	623	4468	937	471	2817	2758	19	65	8699	746	9445	1558	11003	49.60
6	3926	73	621	4620	937	539	2831	2871	6	49	9016	891	9907	1643	11550	49.47
7	3926	122	651	4699	937	544	2838	2916	6	57	9153	1304	10457	1683	12140	49.46
8	3832	53	657	4542	937	515	2876	3007	6	55	9056	1337	10393	1727	12120	49.59
9	3692	119	657	4468	937	616	2875	2958	6	55	9034	1408	10442	1940	12382	49.71
10	3751	136	651	4538	937	875	3268	2984	-397	-351	8983	1398	10381	2233	12614	49.81
11	3804	195	659	4658	937	730	3256	3122	-384	-335	9112	1283	10395	2449	12844	49.72
12	3735	207	649	4591	937	773	3250	3133	-384	-332	9102	1373	10475	2492	12967	49.56
13	3806	138	660	4604	937	687	3249	3167	-384	-336	9059	1241	10300	2492	12792	49.76
14	3838	59	654	4551	937	676	3249	3337	-384	-338	9163	1099	10262	2350	12612	49.72
15	3906	64	659	4629	937	795	3261	3422	-384	-339	9444	891	10335	2346	12681	49.75
16	3794	59	666	4519	937	684	3327	3530	-402	-364	9306	717	10023	2348	12371	49.84
17	3710	82	668	4460	937	596	3390	3610	-402	-366	9237	735	9972	2283	12255	49.85
18	3739	211	664	4614	937	683	3241	3366	-314	-276	9324	1375	10699	2192	12891	49.81
19	3736	226	661	4623	937	610	2978	3236	-111	-65	9348	1933	11281	2206	13487	49.78
20	3795	719	656	5170	937	501	3113	3533	-167	-125	10023	2115	12138	2307	14445	49.53
21	3768	1104	657	5529	937	461	3119	3412	-167	-103	10259	1877	12136	2257	14393	49.42
22	3770	982	652	5404	937	445	3119	3194	-167	-102	9901	1887	11788	2153	13941	49.36
23	3829	416	656	4901	937	419	3130	3432	-188	-117	9595	1623	11218	2050	13268	49.55
24	3836	139	662	4637	937	413	3214	3384	-154	-81	9300	1185	10485	1946	12431	49.75
MUs	91.31	5.36	15.64	112.30	22.49	14.25	73.65	75.08	-4.27	-3.08	221.14	29.68	250.83	49.37	300.20	49.65

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 29/Aug/2009

Position as on 6.30 Hrs of 30/Aug/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
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	08/09/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	03/09/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	31/08/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	25/09/2009
Cent_Sect NTPC(V-3)	210	25/08/2009	00.25		Continued.	A/OH	26/09/2009
Cent_Sect NTPC(K-1)	210	27/08/2009	23.55		Continued.	AOH	28/09/2009
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	
Koradi Unit 3	105	26/08/2009	01.13		Continued.	Generator Rotor E/F	06/09/2009
Koradi Unit 7	210	28/08/2009	12.08	30/08/2009	19.06	boiler tube leakage.	01/09/2009
Cent_Sect NTPC(K-6)	500	28/08/2009	13.55	29/08/2009	14.22	Boiler tube leakage.	
Bhusawal Unit 3	210	28/08/2009	23.05		Continued.	ID fan problem bonet value leakage.	01/09/2009
Chandrapur Unit 5	500	29/08/2009	15.27	29/08/2009	19.14	Drum Level high.	
Koradi Unit 4	115	30/08/2009	17.53		Continued.	Fire in wind box.	01/09/2009
Chandrapur Unit 1	210	30/08/2009	19.57	30/08/2009	22.33	Drum level high.	
Dabhol 2B	230	30/08/2009	22.24		Continued.	CW Pump problem.	
Dabhol 2X	290	30/08/2009	22.28		Continued.	C W Pump problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Aug/2009

Position as on 6.30 Hrs of 30/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa I	22/08/2009	07.46	29/08/2009	19.42	Stringing Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Akola - Wardha - I	28/08/2009	00.06		Continued.	H/T for O/V.
Seoni - Wardha	28/08/2009	00.07		Continued.	H/T for O/V.
Kolhapur-Mapusa-II	28/08/2009	22.45	29/08/2009	15.52	H/T For O/V.
Kolhapur-Mapusa-II	29/08/2009	23.12	30/08/2009	10.52	H/T For O/V.
DHULE-SAR'SAROVAR-I	30/08/2009	00.33	30/08/2009	11.00	H/T For O/V.
Dhule-Sar'Sarovar II	30/08/2009	02.11	30/08/2009	17.45	H/T For O/V.
Kolhapur-Mapusa Ckt I	30/08/2009	23.46		Continued.	H/T for O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13	29/08/2009	20.45	3 Tower Collapsed.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	29/08/2009	05.52	29/08/2009	06.36	Directional earth fault.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
CHDPR-HVDC CKT-I	29/08/2009	09.07	29/08/2009	12.51	Taken on TBC For Testing Work.
Karad-Lonikhand	29/08/2009	09.37	29/08/2009	14.51	Insulator Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Karad - Ogalewadi - II	17/08/2009	07.20		Continued.	C.B.Replacement.BREAKER ON TBC AT OGLEWADI.
Kandalgaon-Lonand	26/08/2009	16.04		Continued.	Line on TBC at Lonand end(CB Prob)
220/132 kv,100 MVA ICT-I at Chalisgaon	26/08/2009	20.19	29/08/2009	18.15	T/F H.V.Side on TBC for main Breaker repl.work.
220/132,100 MVA ICT-2 @ Malegaon.	27/08/2009	19:07	30/08/2009	21.00	Replacement of EMCO make old ICT by new GCL make ICT.kept on humming.
Nasik TBC	28/08/2009	08.45		Continued.	Breaker replacement.
BBLSWR-ANAGAR CKT I	29/08/2009	09.07	29/08/2009	15.52	Q.M.Work.
220 KV Main Bus-I at Raymaond	29/08/2009	10.20	29/08/2009	18.01	Construction work for new ICT.
Karad-Vita-II	29/08/2009	11.13	29/08/2009	18.00	Isolator Replacement.
Boisor-Versova	30/08/2009	09.07	30/08/2009	15.43	R.M.work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malegaon-Manmad	21/08/2009	13:32		Continued.	ICT -II Problem at 220 Kv Malegaon.
Malegaon- Malegaon-I	27/08/2009	15:55		Continued.	ICT -II on outage at 220Kv Malegaon.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	27/08/2009	09.07		Continued.	CKT H/T to load Akola ICT.
Wardha--Dhamangaon	27/08/2009	18:18		Continued.	H/T to load Akola ICT
Miraj-Vita	29/08/2009	12.05	29/08/2009	15.10	To attend Decapping work.
Pusad-Parbhani	29/08/2009	15.40	29/08/2009	17.58	To control 220 KV Wardha-Yawtmal line loading.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Aug/2009

Position as on 6.30 Hrs of 30/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Tifil-Trombay	29/08/2009	23.43	30/08/2009	00.59	Tripped on Distance Protection.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Miraj	29/08/2009	03:25	29/08/2009	04:40	Tripped on Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	0
Unit 4	105	75
Unit 5	200	140
Unit 6	210	140
Unit 7	210	0
	1040	415
Bhusawal		
Unit 1	58	45
Unit 2	210	150
Unit 3	210	0
	478	195
Parli		
Unit 1	30	18
Unit 2	30	18
Unit 3	210	160
Unit 4	210	0
Unit 5	210	160
Unit 6	250	200
	940	556
Chandrapur		
Unit 1	210	155
Unit 2	210	110
Unit 3	210	150
Unit 4	210	180
Unit 5	500	200
Unit 6	500	200
Unit 7	500	250
	2340	1245
Paras		
Unit 2	55	40
Unit 3	250	190
	305	230
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	0
Unit 2	120	75
Unit 3	210	185
Unit 4	210	190
Unit 5	210	175
	870	625
Uran		
All Units	852	650
	852	650
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	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	133
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		
RGPP L II	960	900
RGPP L III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	220
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2948
	3143	2948