



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Oct/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.261	3327.896	1) Madhya Pradesh	58.436	1613.205
2) Hydro	13.630	256.025	2) Gujrat	25.328	602.965
3) Gas	15.315	426.417	3) Goa	-7.441	-201.491
Total MSGENCO	145.206	4010.338	4) TAPS 1&2 (Inj.)	7.235	209.646
B) OTHERS			5) Pench (Excess)	-1.216	-21.355
1) RGPPL Gas	22.908	635.947	# Total Cent. Sector	82.342	2202.970
2) Wind Generation	5.358	128.734	F) Other Exchanges		
3) PENCH (MS)	1.216	22.130	1) With TPCL	-4.408	-206.600
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.314	795.219	1) MSEDCL Bilateral	5.754	81.539
2) TPCL Hydro	3.126	69.684	Include PX	0.000	8.784
TOTAL TPCL	34.440	864.903	2) MUMBAI Bilateral	5.412	231.949
3) REL Thermal	12.604	363.673	Include PX	-0.043	15.396
D) STATE			3) MUMBAI Schedule	5.412	235.844
1) Thermal (A1+C1+C3)	160.179	4486.788	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	17.972	347.839	1) MSEDCL	252.622	6793.519
3) Gas (A3+B1)	38.223	1062.364	2) TPCL	34.068	939.464
4) Wind (B2)	5.358	128.734	3) REL	17.383	495.665
TOTAL STATE	221.732	6025.725	TOTAL STATE	304.073	8228.648

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4791	4936	4739
MSGENCO Hydro	726	1651	46
MSGENCO Gas	602	636	657
MSGENCO Total Generation	6119	7223	5442
Central Sector Receipt	3632	3582	3180
RGPPL	932	953	964
WIND	241	130	362
Exchange with TPCL	-390	-227	81
MSEDCL DEMAND MET	10587	11714	10069
Load Shedding	3688	3858	1489
MSEDCL DEMAND (INCL. LS)	14275	15572	11558
TPCL GENERATION	1707	1804	1068
REL GENERATION	524	521	525
TPCL+REL DEMAND	2621	2552	1512
STATE DEMAND MET	13208	14266	11581
STATE DEMAND (INCL. LS)	16896	18124	13070
Frequency (Hz)	49.42	49.48	49.78
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4788 MW AT 17.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			89.62 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.22 Hz at 03.04 Hrs	49.06 Hz at 09.15 Hrs	49.57	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 29/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.67	31.78	86	46	50
Unit 2	1.56	37.82	74	42	50
Unit 3	1.60	39.13	76	47	70
Unit 4	1.61	33.57	84	31	60
Unit 5	3.33	88.76	152	126	140
Unit 6	2.75	94.23	156	71	60
Unit 7	3.70	103.43	176	143	150
	16.21	428.72			580
Bhusawal					
Unit 1	1.06	30.19	51	36	50
Unit 2	4.00	67.28	189	146	180
Unit 3	3.77	112.36	176	144	190
	8.82	209.83			420
Parli					
Unit 1	0.54	15.70	23	21	20
Unit 2	0.55	14.72	24	21	20
Unit 3	3.08	96.26	169	97	160
Unit 4	4.33	113.16	201	167	170
Unit 5	4.22	116.30	178	169	170
Unit 6	5.64	144.86	241	220	225
	18.35	501.00			765
Chandrapur					
Unit 1	3.77	110.43	164	145	170
Unit 2	3.26	74.31	151	126	150
Unit 3	4.45	121.56	198	155	200
Unit 4	4.73	132.91	206	169	210
Unit 5	9.16	209.96	396	368	400
Unit 6	9.99	239.79	445	390	425
Unit 7	8.78	231.25	415	337	425
	44.14	1120.21			1980
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	3.56	107.45	197	0	190
	3.56	112.16			190
Khaparkheda					
Unit 1	4.80	122.06	209	178	200
Unit 2	4.43	124.49	199	133	170
Unit 3	0.00	90.62	0	0	0
Unit 4	4.79	138.21	212	176	175
	14.02	475.39			545
Nasik					
Unit 1	0.00	54.17	0	0	0
Unit 2	2.05	54.60	98	64	81
Unit 3	4.85	135.24	209	189	182
Unit 4	0.00	111.81	0	0	0
Unit 5	4.25	124.77	189	163	162
	11.15	480.59			425
Uran					
All Units	15.32	426.42	661	602	620
	15.32	426.42			620
Koyna					
Stage 1-2	3.05	62.42	380	40	600
Stage 4	7.08	103.72	811	0	250
Koyna 12&4 Total	10.12	166.13			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.11	38.67	312	0	320
	12.23	204.80			1170
Hydro					
KDPH	0.00	6.12	0	0	0
VTRNA	0.00	0.12	0	0	0
TILLARI	0.26	12.52	60	0	60
BHTGR/VEER	0.14	4.71	6	6	6
BHIRA T.R.	0.16	5.51	43	0	40
RNGR+BHTSA	0.25	6.76	15	0	15
BHANDARDRA	0.00	4.11	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.54	10	0	9
GHATGHAR	0.52	9.83	125	0	0
	1.40	51.22			130
PENCH (MS)					
Pench (MS)	1.22	22.13	54	40	
	1.22	22.13			
Wind					
MalharPeth	0.33	7.12			
Vankuswadi	0.59	14.19			
ATIT	0.18	4.65			
Kale	0.08	3.13			
Satara	0.42	10.92			
Shirala	0.26	5.36			
K Mahankal	0.11	3.28			
Supa	0.11	2.94			
Vita	0.74	22.90			
Dondaicha	1.21	29.01			
Sakri	0.23	5.76			
Nandurbar	0.11	3.68			
Khadakale	0.40	8.20			
Khaparale	0.58	7.50			
	5.36	128.63			
Dabhol					
RGPP L II	22.91	635.95	965	932	900
RGPP L III	0.00	0.00	0	0	
	22.91	635.95			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.48	254.79	500	430	500
Trombay 6	9.66	277.54	510	190	500
Trombay 7A	2.90	78.34	126	115	120
Trombay 7B	1.26	43.33	69	39	60
Trombay 8	6.02	141.22	253	250	250
TATA Hydro	3.13	69.68	357	0	447
	34.44	864.90			1877
REL					
1&2	12.60	363.67	528	521	500
	12.60	363.67			500
Cent Sect					
Share					3209
					3209

MS PG CL	Thermal	116.26	3327.90		4905
	Thml+Gas	131.58	3754.31		5525
	Hydro	13.63	256.02		1300
	Total	145.21	4010.34		6825
State Total		221.73	6025.72		13311

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Oct/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	4744	46	650	5440	961	295	2787	3484	-32	-13	10214	1702	11916	1753	13669	49.69
2	4703	46	655	5404	963	326	2673	3193	11	42	9968	1725	11693	1627	13320	49.69
3	4739	46	657	5442	964	362	2627	3180	58	81	10069	1489	11558	1512	13070	49.78
4	4787	46	658	5491	964	386	2563	3254	124	151	10286	1733	12019	1451	13470	49.87
5	4762	46	656	5464	963	339	2565	3158	124	155	10126	1800	11926	1450	13376	49.70
6	4854	295	655	5804	964	300	2633	3347	58	93	10554	2240	12794	1519	14313	49.61
7	4907	121	648	5676	964	290	2680	2804	11	45	9831	3438	13269	1616	14885	49.58
8	4912	76	644	5632	965	258	2798	3127	161	181	10216	3806	14022	1737	15759	49.60
9	4780	69	647	5496	962	180	2869	3035	90	107	9833	3877	13710	1939	15649	49.56
10	4704	273	631	5608	949	185	3201	3458	-246	-210	10040	4098	14138	2290	16428	49.37
11	4687	523	619	5829	939	199	3370	3764	-423	-392	10392	3702	14094	2546	16640	49.42
12	4791	726	602	6119	932	241	3365	3632	-423	-390	10587	3688	14275	2621	16896	49.42
13	4855	521	606	5982	936	210	3361	3677	-423	-371	10487	3708	14195	2589	16784	49.46
14	4871	324	611	5806	950	181	3357	3973	-423	-369	10594	3790	14384	2475	16859	49.77
15	4891	571	607	6069	940	136	3311	3647	-423	-370	10476	3888	14364	2598	16962	49.48
16	4960	640	621	6221	942	118	3188	3510	-423	-373	10471	3966	14437	2553	16990	49.48
17	4907	890	624	6421	942	85	3190	3596	-423	-371	10726	3815	14541	2570	17111	49.43
18	4921	1220	632	6773	950	107	3112	3458	-343	-286	11055	3507	14562	2515	17077	49.55
19	4936	1651	636	7223	953	130	3012	3582	-280	-227	11714	3858	15572	2552	18124	49.48
20	4957	1348	642	6947	959	139	3041	3808	-434	-374	11533	3863	15396	2581	17977	49.58
21	4999	1678	646	7323	959	171	3046	3386	-430	-374	11519	3564	15083	2456	17539	49.50
22	4935	1002	653	6590	961	204	3002	3472	-427	-370	10911	3607	14518	2294	16812	49.57
23	4862	939	654	6455	963	237	2974	3367	-446	-387	10688	3045	13733	2164	15897	49.49
24	4797	533	661	5991	963	279	2975	3432	-446	-386	10332	2058	12390	2044	14434	49.68
MUs	116.26	13.63	15.32	145.21	22.91	5.36	71.70	82.34	-5.41	-4.41	252.62	75.97	328.59	51.45	380.04	49.57

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/Oct/2009

Position as on 6.30 Hrs of 30/Oct/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
Cent_Sect NTPC(V-5)	210	21/10/2009	23.57		Continued.	Boiler Overhall	10/11/2009
Khaparkheda Unit 3	210	23/10/2009	23.59		Continued.	Annual Overhaul	19/11/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	30/11/2009
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	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	07/01/2010
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	
Nasik Unit 4	210	26/10/2009	02:20		Continued.	Boiler Tube Leakage.	30/10/2009
Nasik Unit 1	125	28/10/2009	22.10		Continued.	Turbine starting gear problem.	
Paras Unit 3	250	29/10/2009	07.37	29/10/2009	11.23	A/C Supply Failed.	
Cent_Sect NTPC(K-5)	500	29/10/2009	14.15	30/10/2009	22.57	Boiler Tube Leakage.	
Tata Trombay 5	500	30/10/2009	01.56		Continued.	BLR T/L.	
Paras Unit 3	250	30/10/2009	04.16	30/10/2009	10.17	ACW Cooling Line Leakage.	
Bhusawal Unit 2	210	30/10/2009	10.19	30/10/2009	13.42	Boiler Board Problem.	
Chandrapur Unit 5	500	30/10/2009	14.20		Continued.	Boiler tube leakage.	

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

Position as on 6.30 Hrs of 30/Oct/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		
Mudshingi-Ponda	30/10/2009	08.15	30/10/2009	16.32	Insulator replacement.
Nasik-Navsari-I	30/10/2009	09.04	30/10/2009	20.20	Maint. work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
DHULE-SAR'SAROVAR-I	29/10/2009	03.12		Continued.	H/T due to O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200 MVA ICT-II at Bhusawal	26/10/2009	09.32		Continued.	Oveerhauling work.
400/220KV,105MVA Spare ICT-II @ Karad.	26/10/2009	10.20		Continued.	Unit Replacement of ICT-II.
400/220kv 315MVA ICT-II at Karad.	26/10/2009	17.16		Continued.	Y-Ph Unit replacement.
400/220 KV,315 MVA ICT-II at Chandrapur	29/10/2009	08.15	29/10/2009	18.25	C.T.Replacement.
Bablswr-Aurangabad	30/10/2009	08.45	30/10/2009	19.06	400 KV A'bad-Akola crossing work.
400/220KV 315MVA ICT-III at Padgha	30/10/2009	09.39	30/10/2009	19.20	Maint. Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Bus-Coupler at Kalwa	26/10/2009	09.28		Continued.	C.B.Replacement.
K'gaon-Lonand	29/10/2009	07.50	29/10/2009	16.50	Earthwire Reolacement.
Mudshingi - Karad - II	29/10/2009	07.53	29/10/2009	18.22	Jumper Replacement.
220/100 KV,50 MVA T/F Kandalgaon	29/10/2009	09.20	29/10/2009	10.50	Oil Topping up.
220/22,50 MVA ICT-I @ Lonikand	29/10/2009	09.58	29/10/2009	12.41	Q/M.
Bhigwan-Kalyani	29/10/2009	10.00	29/10/2009	12.00	Insulator Replacement.
Apta-Kalwa	29/10/2009	10.04	29/10/2009	18.43	Commissiointing of Auto Reelise Relay.
Bhosari-Telco	29/10/2009	10.47	29/10/2009	17.50	ISO Work.
Kalwa-Nasik	30/10/2009	08.52	30/10/2009	18.55	ISO Alingnment work.
Kharghar-TSS	30/10/2009	08.53	30/10/2009	18.55	R.M. Work.
220/132KV,150 MVA ICT-II at Boisar.	30/10/2009	11.53	30/10/2009	19.50	Testing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Girvli-Gangakhed	29/10/2009	10.30	29/10/2009	16.00	Installation Bus Isolator & Jumper Connection.
Bhoisar - Padgha - I	29/10/2009	14.07	29/10/2009	18.30	To Attend C.B.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC Pole II Padgha	29/10/2009	01.42	29/10/2009	04.28	Out due to system condition,replacement of faulty relay at
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Paras-Malegaon	17/10/2009	11.43		Continued.	Ckt on TBC due to main breaker Problem.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	28/10/2009	07.43	28/10/2009	Continued.	H/t to load Akola ICT.

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

Position as on 6.30 Hrs of 30/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	28/10/2009	14.35		Continued.	H/T to control 132 kv Ambazari Manakapur ckt.flow.
Chikhali - Khamgaon	29/10/2009	05.05	29/10/2009	09.00	H/T To Control Chikali ICT Loading.
PARAS-WARWAT BAKAL CKT.	29/10/2009	09.48	29/10/2009	15.53	H/T To Control 132KV Akola-Paras-II Loading.
Voltage Level : 220KV			Outage Type TRIPPED		
Purti - Bhugaon	29/10/2009	20.47	29/10/2009	21.17	Distance Protection.
100 KV Bus Section @ Kalwa	29/10/2009	23.15	30/10/2009	19.53	Y Ph.P T Jumper Broken.
220/100KV 125 MVA ICT-I at Kalwa	29/10/2009	23.15	30/10/2009	00.20	Y Ph.P T Jumper Broken.
220/100KV,125MVA ICT-IV at Kalwa	29/10/2009	23.15	30/10/2009	00.15	Y Ph.P T Jumper Broken.
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akola-I	29/10/2009	04.25	29/10/2009	15.53	Distance Protection.
Akola - Paras-II	29/10/2009	04.25	29/10/2009	08.40	Distance Protection.
Chalishaon-Chalishaon-I	29/10/2009	09.04	29/10/2009	11.35	Pilot Wire Protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Nocil I	29/10/2009	23.15	30/10/2009	00.38	Y Ph.P T Jumper Broken.
Kalwa-Nocil II	29/10/2009	23.15	30/10/2009	00.39	Y Ph. P T Jumper Broken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	70
Unit 4	105	50
Unit 5	200	130
Unit 6	210	130
Unit 7	210	140
	1040	670
Bhusawal		
Unit 1	58	45
Unit 2	210	180
Unit 3	210	180
	478	405
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	110
Unit 4	210	185
Unit 5	210	170
Unit 6	250	220
	940	725
Chandrapur		
Unit 1	210	165
Unit 2	210	150
Unit 3	210	200
Unit 4	210	210
Unit 5	500	350
Unit 6	500	425
Unit 7	500	380
	2340	1880
Paras		
Unit 2	55	0
Unit 3	250	0
	305	0
Khaparkheda		
Unit 1	210	185
Unit 2	210	195
Unit 3	210	0
Unit 4	210	170
	840	550
Nasik		
Unit 1	120	0
Unit 2	120	81
Unit 3	210	182
Unit 4	210	0
Unit 5	210	180
	870	443
Uran		
All Units	852	630
	852	630
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	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	121
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	900
RGPPPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	90
Trombay 8	250	250
TATA Hydro	444	447
	2024	1397
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3019
	3143	3019