



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Oct/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.325	3211.635	1) Madhya Pradesh	53.923	1554.769
2) Hydro	13.244	242.395	2) Gujrat	31.286	577.637
3) Gas	15.226	411.102	3) Goa	-7.485	-194.050
Total MSGENCO	147.795	3865.132	4) TAPS 1&2 (Inj.)	7.245	202.411
B) OTHERS			5) Pench (Excess)	-1.046	-20.139
1) RGPPL Gas	22.843	613.039	# Total Cent. Sector	83.923	2120.628
2) Wind Generation	4.971	123.376	F) Other Exchanges		
3) PENCH (MS)	1.046	20.914	1) With TPCL	-5.122	-202.192
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.222	763.905	1) MSEDCL Bilateral	5.206	75.785
2) TPCL Hydro	2.562	66.558	Include PX	0.051	8.784
TOTAL TPCL	32.784	830.463	2) MUMBAI Bilateral	6.146	226.537
3) REL Thermal	12.589	351.069	Include PX	-0.043	15.440
D) STATE			3) MUMBAI Schedule	6.146	230.432
1) Thermal (A1+C1+C3)	162.136	4326.609	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.852	329.867	1) MSEDCL	255.456	6540.897
3) Gas (A3+B1)	38.069	1024.141	2) TPCL	33.434	905.396
4) Wind (B2)	4.971	123.376	3) REL	17.059	478.282
TOTAL STATE	222.028	5803.993	TOTAL STATE	305.949	7924.575

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4816	5034	4924
MSGENCO Hydro	1049	1511	46
MSGENCO Gas	608	626	658
MSGENCO Total Generation	6473	7171	5628
Central Sector Receipt	3611	3808	2712
RGPPL	932	951	965
WIND	212	158	248
Exchange with TPCL	-450	-285	147
MSEDCL DEMAND MET	10801	11856	9753
Load Shedding	3390	3478	1847
MSEDCL DEMAND (INCL. LS)	14191	15334	11600
TPCL GENERATION	1575	1749	1049
REL GENERATION	524	521	526
TPCL+REL DEMAND	2549	2555	1428
STATE DEMAND MET	13350	14411	11181
STATE DEMAND (INCL. LS)	16740	17889	13028
Frequency (Hz)	49.28	49.42	49.88
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4407 MW At 17.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.34 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.27 Hz at 23.56 Hrs	48.91 Hz at 17.41 Hrs	49.47	1.84 % 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 28/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.80	30.11	83	60	75
Unit 2	1.55	36.26	72	50	70
Unit 3	1.67	37.53	76	53	70
Unit 4	1.82	31.95	86	61	75
Unit 5	2.80	85.43	144	65	130
Unit 6	2.66	91.48	152	75	150
Unit 7	3.10	99.74	156	92	130
	15.39	412.51			700
Bhusawal					
Unit 1	1.18	29.14	54	43	50
Unit 2	4.23	63.28	188	161	180
Unit 3	3.82	108.59	175	146	190
	9.23	201.00			420
Parli					
Unit 1	0.56	15.16	24	20	20
Unit 2	0.54	14.17	24	21	20
Unit 3	3.88	93.18	175	138	175
Unit 4	4.42	108.83	200	160	185
Unit 5	4.13	112.08	178	158	175
Unit 6	5.47	139.22	236	205	205
	19.00	482.64			780
Chandrapur					
Unit 1	3.82	106.66	171	150	170
Unit 2	3.28	71.05	142	121	150
Unit 3	4.47	117.10	197	164	200
Unit 4	4.72	128.18	204	157	210
Unit 5	9.07	200.80	398	356	400
Unit 6	8.85	229.80	407	330	425
Unit 7	9.97	222.48	444	396	425
	44.18	1076.07			1980
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	4.34	103.89	198	123	190
	4.34	108.61			190
Khaparkheda					
Unit 1	4.80	117.26	210	185	200
Unit 2	4.61	120.06	206	162	190
Unit 3	0.00	90.62	0	0	0
Unit 4	4.95	133.42	212	178	210
	14.36	461.37			600
Nasik					
Unit 1	1.65	54.17	86	0	81
Unit 2	2.16	52.54	99	80	81
Unit 3	4.76	130.39	208	180	182
Unit 4	0.00	111.81	0	0	0
Unit 5	4.25	120.52	185	169	162
	12.82	469.44			506
Uran					
All Units	15.23	411.10	661	596	630
	15.23	411.10			630
Koyna					
Stage 1-2	3.45	59.36	380	30	600
Stage 4	6.00	96.64	760	0	250
Kovna 12&4 Total	9.45	156.01			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.10	36.57	318	0	320
	11.55	192.57			1170
Hydro					
KDPH	0.00	6.12	0	0	0
VTRNA	0.00	0.12	0	0	0
TILLARI	0.35	12.26	60	0	60
BHTGR/VEER	0.14	4.56	6	6	0
BHIRA T.R.	0.16	5.34	77	0	40
RNGR+BHTSA	0.28	6.50	16	0	13
BHANDARDRA	0.00	4.11	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.48	9	0	8
GHATGHAR	0.70	9.32	125	0	0
	1.69	49.82			121
PENCH (MS)					
Pench (MS)	1.05	20.91	53	23	
	1.05	20.91			
Wind					
MalharPeth	0.24	6.79			
Vankuswadi	0.70	13.60			
ATIT	0.12	4.47			
Kale	0.47	3.05			
Satara	0.19	10.50			
Shirala	0.21	5.09			
K Mahankal	0.03	3.17			
Supa	0.14	2.82			
Vita	0.94	22.16			
Dondaicha	0.83	27.80			
Sakri	0.17	5.53			
Nandurbar	0.06	3.58			
Khadakale	0.43	7.79			
Khaparale	0.45	6.92			
	4.97	123.28			
Dabhol					
RGPP L II	22.84	613.04	965	925	900
RGPP L III		0.00			
	22.84	613.04			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.34	243.31	500	460	500
Trombay 6	9.03	267.88	510	150	500
Trombay 7A	2.89	75.44	126	114	120
Trombay 7B	0.96	42.08	41	39	40
Trombay 8	6.00	135.20	253	247	250
TATA Hydro	2.56	66.56	373	0	447
	32.78	830.46			1857
REL					
1&2	12.59	351.07	527	521	500
	12.59	351.07			500
Cent Sect					
Share					3411
					3411

MS PG CL	Thermal	119.32	3211.64		5176
	Thml+Gas	134.55	3622.74		5806
	Hydro	13.24	242.40		1291
	Total	147.80	3865.13		7097
State Total		222.03	5803.99		13765

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	4926	36	652	5614	963	180	2868	3374	-35	-3	10178	1675	11853	1716	13569	49.65
2	4911	46	656	5613	964	224	2826	3278	9	43	10175	1737	11912	1595	13507	49.70
3	4927	46	658	5631	965	242	2790	3112	46	85	10088	1512	11600	1483	13083	49.84
4	4924	46	658	5628	965	248	2736	2712	103	147	9753	1847	11600	1428	13028	49.88
5	4988	53	661	5702	965	287	2738	2843	103	149	9999	1963	11962	1441	13403	49.56
6	4987	188	660	5835	965	280	2810	3224	32	73	10430	2211	12641	1492	14133	49.44
7	5023	121	659	5803	965	278	2834	2698	9	47	9844	3325	13169	1587	14756	49.26
8	5074	66	658	5798	965	257	2952	2800	109	145	10018	3674	13692	1653	15345	49.51
9	5058	191	650	5899	964	217	3023	3236	38	71	10440	3517	13957	1899	15856	49.27
10	5027	364	633	6024	951	202	3352	3245	-298	-265	10210	3728	13938	2253	16191	49.18
11	4921	740	620	6281	939	194	3522	3648	-476	-452	10643	3442	14085	2504	16589	49.21
12	4816	1049	608	6473	932	212	3516	3611	-476	-450	10801	3390	14191	2549	16740	49.28
13	4864	918	601	6383	925	199	3512	3653	-476	-437	10746	3477	14223	2532	16755	49.29
14	4927	658	600	6185	927	184	3509	3903	-476	-433	10789	3555	14344	2464	16808	49.35
15	4955	807	596	6358	926	177	3508	3702	-476	-438	10748	3664	14412	2505	16917	49.25
16	4969	858	599	6426	933	113	3508	3720	-476	-430	10785	3693	14478	2526	17004	49.34
17	4891	1003	599	6493	937	118	3511	3636	-476	-432	10778	3564	14342	2523	16865	49.29
18	4956	1252	613	6821	941	135	3495	3692	-396	-347	11269	3212	14481	2487	16968	49.29
19	5034	1511	626	7171	951	158	3399	3808	-335	-285	11856	3478	15334	2555	17889	49.42
20	5063	1358	633	7054	956	174	3416	3943	-436	-392	11788	3427	15215	2559	17774	49.47
21	5082	1173	639	6894	961	214	3416	3899	-433	-372	11649	3108	14757	2385	17142	49.55
22	5085	410	649	6144	960	201	3410	4095	-427	-366	11087	3141	14228	2242	16470	49.71
23	4988	304	648	5940	961	230	3438	3988	-453	-392	10780	2782	13562	2100	15662	49.60
24	4927	46	650	5623	962	247	3411	4103	-449	-388	10600	1925	12525	2017	14542	49.88
MUs	119.32	13.24	15.23	147.79	22.84	4.97	77.50	83.92	-6.15	-5.12	255.45	71.05	326.50	50.50	377.00	49.47

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/Oct/2009

Position as on 6.30 Hrs of 29/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	05/11/2009
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	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	20/12/2009
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	
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.	

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

Position as on 6.30 Hrs of 29/Oct/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 I	28/10/2009	14.42	28/10/2009	17.20	Taken on TBC.
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.
80 MVAR Bus Reactor-I at BBLSR.	28/10/2009	09.12	28/10/2009	15.40	R.M.Work,CRM and C.T.Testing 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.
New Koyna-Pophali-II	28/10/2009	07.58	28/10/2009	17.15	Jumper replacement work.
Mudshingi - Karad - II	28/10/2009	08.20	28/10/2009	17.56	Insulator replacement work.
Mudshingi - Peth	28/10/2009	08.22	28/10/2009	17.56	Insulator replacement work.
220/132 KV,100 MVA ICT At Parli I	28/10/2009	10.02	28/10/2009	14.58	Replacement of relay.
TLLARY-Halkarni	28/10/2009	13:20	28/10/2009	17:50	To attend hot spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Hingna-Mankapur-I	28/10/2009	10.40	28/10/2009	14.22	R.M.work.
Kawlewada-Gondia-II	28/10/2009	11.05	28/10/2009	13.24	Maintenance work.
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.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14	28/10/2009	10.27	To Control 132kv Ambazari-Mankapur ckt flow.
Pardi-Uppalwadi	28/10/2009	14.35		Continued.	H/T to control 132 kv Ambazari Manakapur ckt.flow.
Voltage Level : 220KV			Outage Type TRIPPED		
Miraj -Ichalkarajni	28/10/2009	11.12	28/10/2009	12.00	Tripped on back up protection B Ph.to E/F
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras-II	29/10/2009	04:25		Continued.	Tripped on distance protection.
Akola-Paras	29/10/2009	04:25		Continued.	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	50
Unit 3	105	70
Unit 4	105	60
Unit 5	200	140
Unit 6	210	60
Unit 7	210	150
	1040	580
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	190
	478	420
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	160
Unit 4	210	170
Unit 5	210	170
Unit 6	250	225
	940	765
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	200
Unit 4	210	210
Unit 5	500	400
Unit 6	500	425
Unit 7	500	425
	2340	1980
Paras		
Unit 2	55	0
Unit 3	250	190
	305	190
Khaparkheda		
Unit 1	210	200
Unit 2	210	170
Unit 3	210	0
Unit 4	210	175
	840	545
Nasik		
Unit 1	120	0
Unit 2	120	81
Unit 3	210	182
Unit 4	210	0
Unit 5	210	162
	870	425
Uran		
All Units	852	620
	852	620
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	6
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	9
GHATGHAR	250	0
	611	130
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	900
RGPPPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3209
	3143	3209

	17616	13311
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