



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Mar/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Mar/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.674	3869.909	1) Madhya Pradesh	58.336	1550.723
2) Hydro	26.568	612.163	2) Gujrat	27.146	873.988
3) Gas	13.307	418.158	3) Goa	-6.680	-187.027
Total MSGENCO	168.549	4900.230	4) TAPS 1&2 (Inj.)	0.000	96.841
B) OTHERS			5) Pench (Excess)	-0.212	-7.473
1) RGPPL Gas	36.968	889.755	# Total Cent. Sector	78.590	2327.052
2) Wind Generation	6.107	121.149	F) Other Exchanges		
3) CPP	24.835	702.974	1) With TPCL (Excess)	-12.855	-295.262
4) PENCH (MS)	0.212	7.473	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.016	387.283
1) TPCL Thermal	26.323	708.519	Include PX	0.000	0.000
2) TPCL Hydro	5.542	119.615	2) MUMBAI Bilateral	12.544	293.602
TOTAL TPCL	31.865	828.134	Include PX	2.386	50.508
3) REL Thermal	12.692	367.688	3) MUMBAI Schedule	12.544	293.602
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	167.689	4946.116	1) MSEDCL	302.406	8653.371
2) Hydro (A2+B3+C2)	32.322	739.251	2) TPCL	37.971	987.762
3) Gas (A3+B1)	50.275	1307.913	3) REL	19.439	503.125
4) Wind (B2)	6.107	121.149	TOTAL STATE	359.816	10144.258
5) CPP (B3)	24.835	702.974			
TOTAL STATE	281.228	7817.403			

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	5411	5516	5397
MSGENCO Hydro	1295	1494	264
MSGENCO Gas	551	551	540
MSGENCO Total Generation	7257	7561	6201
Central Sector Receipt	3699	3135	3169
RGPPL	1557	1547	1518
WIND	316	272	283
CPP	1072	1130	894
Exchange with Mumbai	-718	-614	-273
MSEDCL DEMAND MET	13186	13078	11792
Load Shedding (LS)	288	538	0
MSEDCL DEMAND (INCL. LS)	13474	13616	11792
TPCL GENERATION	1644	1573	864
REL GENERATION	529	527	530
TPCL+REL DEMAND	2891	2714	1667
STATE DEMAND MET	16077	15792	13459
Load Management (LM)	2164	3434	1692
Total Load Relief (LS+LM)	2452	3972	1692
UNRESTRICTED STATE DEMAND	18529	19764	15151
Frequency (Hz)	49.83	49.86	49.75

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18.18 Hrs	49.12 Hz at 19.12 Hrs	49.8	.22 % of Time(min)

* 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/Mar/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.10	102.45	178	166	162
Unit 6	4.28	110.64	192	162	171
Unit 7	4.50	119.08	195	175	180
	12.87	332.18			513
Bhusawal					
Unit 2	3.99	105.72	185	55	190
Unit 3	4.54	126.40	200	175	200
Unit 4			0	0	
	8.52	232.12			390
Parli					
Unit 3	2.29	122.27	189	0	190
Unit 4	4.35	121.21	198	160	198
Unit 5	4.16	116.44	192	155	170
Unit 6	5.35	123.50	246	157	230
Unit 7	4.74	122.29	240	0	225
	20.89	605.70			1013
Chandrapur					
Unit 1	4.00	112.95	174	156	170
Unit 2	3.89	113.46	171	148	165
Unit 3	4.40	97.36	194	157	200
Unit 4	4.36	125.79	190	170	190
Unit 5	11.06	326.05	485	430	480
Unit 6	10.81	312.75	480	420	480
Unit 7	11.09	310.50	486	400	480
	49.62	1398.86			2165
Paras					
Unit 3	3.16	152.85	257	86	100
Unit 4	3.08	139.24	256	66	55
	6.24	292.09			155
Khaparkheda					
Unit 1	4.83	137.54	210	165	195
Unit 2	4.80	134.06	208	191	200
Unit 3	0.00	138.34	0	0	0
Unit 4	5.29	150.16	224	212	220
Unit 5			0	0	
	14.92	560.10			615
Nasik					
Unit 1	1.93	37.86	87	66	81
Unit 2	1.97	50.95	89	76	81
Unit 3	4.46	124.08	195	170	162
Unit 4	4.14	126.62	197	147	172
Unit 5	3.10	109.35	189	0	162
	15.61	448.86			658
Uran					
All Units	13.31	418.16	618	502	520
	13.31	418.16			520
Dabhol					
RGPPL	36.97	889.76	1559	1514	1450
	36.97	889.76			1450
Koyna					
Stage 1-2	5.20	119.94	530	30	600
Stage 4	12.16	253.44	1124	0	250
Stage 3	3.45	79.95	320	0	320
	20.81	453.33			1170
Kovna 12&4 Total	17.37	373.38			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	11.26	19	19	18
VTRNA	0.73	30.46	61	0	60
TILLARI	0.36	11.42	60	0	60
BHTGR/VEER	0.38	7.72	16	16	16
BHIRA T.R.	0.29	6.87	81	0	80
RNGR+BHTSA	0.36	10.37	15	15	15
BHANDARDRA	0.72	9.78	30	30	30
ELDARY	0.25	8.46	15	0	
SMLHY PTN	1.06	28.23	44	44	25
GHATGHAR	1.14	34.26	125	0	
	5.75	158.83			304
PENCH (MS)					
Pench (MS)	0.21	7.47	47	0	
	0.21	7.47			
Wind					
MalharPeth	0.22	3.81			
Vankuswadi	0.38	9.95			
ATIT	0.13	1.74			
Kale	0.21	3.72			
Satara	0.30	6.52			
Shirala	0.22	3.89			
K Mahankal	0.16	5.97			
Supa	0.19	3.47			
Vita	1.27	17.32			
Dondaicha	1.77	38.48			
Sakri	0.34	6.58			
Nandurbar	0.20	5.02			
Khandke	0.52	9.06			
Khaparale	0.20	5.62			
	6.11	121.15			
CPP					
JSW JAIGAD	10.43	319.67	509	368	550
WARDHA	7.87	206.17	361	266	352
Other CPPs	6.54	177.13			
	24.84	702.97			902
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.28	296.54	490	375	500
Trombay 6	5.13	141.09	400	150	500
Trombay 7A	2.83	84.19	122	108	120
Trombay 7B	1.60	46.70	68	63	60
Trombay 8	5.49	140.00	252	150	250
TATA Hydro	5.54	119.62	459	0	447
	31.86	828.13			1877
REL					
1&2	12.69	367.69	530	526	500
	12.69	367.69			500
Cent Sect					
Share					3234
					3234

MS PG CL	Thermal	128.67	3869.91		5509
	Thml+Gas	141.98	4288.07		6029
	Hydro	26.57	612.16		1474
	Total	168.55	4900.23		7503
State Total		281.23	7817.40		15466

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Mar/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5464	200	538	6202	1514	268	893	2969	2544	-382	-402	11019	2981	11019	2069	16069	49.82
2	5412	192	539	6143	1519	263	881	2990	2453	-396	-409	10850	2981	10850	1879	15710	49.84
3	5448	226	540	6214	1519	260	876	2928	2811	-328	-344	11336	2144	11336	1759	15239	49.88
4	5397	264	540	6201	1518	283	894	2868	3169	-254	-273	11792	1692	11792	1667	15151	49.75
5	5404	294	541	6239	1517	424	886	2868	3192	-254	-269	11989	1799	11989	1662	15450	49.67
6	5476	981	540	6997	1521	413	903	2846	2989	-250	-274	12549	2091	12549	1713	16353	49.64
7	5438	1333	538	7309	1523	347	1017	2868	3110	-212	-230	13076	2294	13159	1821	17191	49.83
8	5447	1172	552	7171	1545	259	1039	3003	3416	-354	-368	13062	2397	13248	1942	17401	49.93
9	5350	1107	585	7042	1551	245	1066	3035	3778	-379	-399	13283	2463	13535	2164	17910	50.02
10	5283	1547	588	7418	1554	312	1084	3122	3639	-494	-492	13530	2493	13816	2489	18512	49.86
11	5381	1213	552	7146	1559	384	1083	3232	3574	-618	-618	13151	2439	13428	2755	18345	49.87
12	5411	1295	551	7257	1557	316	1072	3329	3699	-714	-718	13186	2452	13474	2891	18529	49.83
13	5409	1325	557	7291	1557	232	1038	3385	3745	-784	-777	13086	2477	13399	2916	18479	49.85
14	5274	1271	502	7047	1552	140	1122	3296	3990	-688	-725	13126	2434	13396	2832	18392	49.85
15	4938	1727	548	7213	1548	119	1111	3298	3734	-688	-727	12998	2689	13622	2910	18597	49.69
16	4865	2157	536	7558	1547	107	1067	3322	3740	-712	-760	13259	2974	14168	2929	19162	49.65
17	5122	2126	528	7776	1545	189	1055	3346	3438	-736	-761	13242	3095	14276	2897	19234	49.77
18	5231	1887	540	7658	1546	258	1109	3298	3277	-688	-710	13138	2925	14243	2796	18859	49.84
19	5427	1248	555	7230	1546	233	1117	3072	2977	-553	-542	12573	3782	13346	2675	19030	49.93
20	5516	1494	551	7561	1547	272	1130	3215	3135	-625	-614	13078	3972	13616	2714	19764	49.86
21	5433	1349	579	7361	1546	224	1129	3239	3097	-650	-649	12755	3598	12919	2649	19002	49.73
22	5535	999	595	7129	1546	199	1093	3208	3062	-610	-620	12455	3432	12455	2542	18429	49.73
23	5511	757	594	6862	1546	171	1080	3112	3075	-585	-586	12163	3430	12163	2419	18012	49.66
24	5502	404	618	6524	1545	189	1090	3047	2946	-591	-588	11710	3430	11710	2322	17462	49.73
MUs	128.67	26.57	13.31	168.55	36.97	6.11	24.84	74.90	78.59	-12.54	-12.86	302.41	66.46	309.51	57.41	426.28	49.80

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 29/Mar/2011

Position as on 6.30 Hrs of 30/Mar/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 2	80	04/03/2011	01.25		Continued.	Refueling Work.	04/04/2011
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	27/04/2011
Cent_Sect Tarapur 1	80	22/03/2011	22.18		Continued.	7 Days Maint.Work.	29/03/2011
FORCED OUTAGE							
Khaparkheda Unit 3	210	28/03/2011	19.58		Continued.	Boiler Tube Leakage	31/03/2011
Parli Unit 3	210	29/03/2011	13.57	30/03/2011	01.53	R Ph C T Jump Broken.	
Parli Unit 7	250	29/03/2011	13.57	29/03/2011	16.59	Jerk of Unit-3.	
Bhusawal Unit 2	210	29/03/2011	14.40	29/03/2011	15.34	Flame Failure.	
Uran Unit 5	108	30/03/2011	00.05	30/03/2011	02:05	BOILER PROT.	
Uran Unit 5	108	30/03/2011	02:56		Continued.	Excitation Tr. feeder prot. fault	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Mar/2011

Position as on 6.30 Hrs of 30/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	28/03/2011	15.09		Continued.	Over Voltage
Kolhapur - Mapusa - II	28/03/2011	22.10	29/03/2011	10.02	Over Voltage
Akola - Wardha - II	28/03/2011	23.05		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	30/03/2011	01.22		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of BSL-KORDY at BSL end	18/03/2011	12.51		Continued.	O/H work up to 10.04.2011.
Lonikand-Karad	20/03/2011	07:45		Continued.	Errection of 2 Nos. of In line towers at Loc. No. 328 (Up to 29/3/11)
50 MVAR Reactor of Parli-Chandrapur - III	28/03/2011	07.21		Continued.	Oil Filtration Work.
400/220 KV 315 MVA ICT-III @ Lonikand.	28/03/2011	11.08		Continued.	Breaker O/H work,HV side on TBC
400/220KV 315MVA ICT- I @ Kharghar	29/03/2011	07.21	29/03/2011	20.30	Breaker Maint. & R.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Borivali-Mulund	06/02/2011	22.17		Continued.	From Borivali end for strengthing Mumbai system up to 30.03.11
220/110 KV 100 MVA T/F - II @ Mudshingi	07/02/2011	15.12		Continued.	Augmentation by 200 MVA.up to 30/03/11
220/132 KV 150 MVA ICT-I @ Dhule	26/02/2011	10.55		Continued.	Repl.of 150MVA ICT by 200MVA ICT up to 31.03.2011
220/100KV 125 MVA ICT-II @ Kalwa	28/02/2011	11.10		Continued.	Augmetation to 200 MVA up to 31.03.2011.
220/100 KV 125MVA ICT-II @ Borivali	19/03/2011	09.30		Continued.	Augmentation by 200MVA.
220/132 KV100 MVA ICT-I @ Chalisgaon	19/03/2011	14.26		Continued.	Augmentation from 100 to 200 MVA ICT (up to 31.03.2011)
220/132 KV 200 MVA ICT - II @ Bhusawal	29/03/2011	07.50		Continued.	Replacement of Isolators,ICT on TBC.
Kolhapur-Karad-IV	29/03/2011	09.32	29/03/2011	12.05	Line Taken on TBC @ Karad To Attend SF6 Leakage Problem.
220/110KV 100MVA T/F- I @ Miraj	29/03/2011	10.05	29/03/2011	12.21	Q.M.Work.
220 A Bus @ Nagothane	29/03/2011	10.55	29/03/2011	23.16	For Stringing Jack Bus,Bus Isolator Jumpering Work.
Aarey-Versova-I	29/03/2011	13.00	29/03/2011	15.55	Earth Wire Stringing Work.
Apta-Uran-II	29/03/2011	14.57	29/03/2011	17.33	Relay Testing Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
LV CB of 400/220 kv 315 MVA ICT-1 @ Parli	11/02/2011	22:43		Continued.	PDR problem (ICT LV side is on TBC)
220/100KV 100 MVA T/F-I @ Tambati	29/03/2011	10.43	29/03/2011	18.20	Red Hot Attending Work.
Tifil-Trombay	29/03/2011	11.36	29/03/2011	14.36	Red Hot Attending Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	28/03/2011	22.05	29/03/2011	06.36	Over Voltage
Bhusawal- Aurangabad	28/03/2011	23.10	29/03/2011	04.20	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Mar/2011

Position as on 6.30 Hrs of 30/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	29/03/2011	22.27	30/03/2011	03.28	Over Voltage.
Karad - Kolhapur - II	30/03/2011	00.08		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Abhijeet II	05/03/2011	07.49		Continued.	To control 220KV A'zari-AEPL loading.
Babaleshwar - Bhenda	05/03/2011	20.47		Continued.	To control BBLSR ICT Load
Chandrapur-Warora - I	11/03/2011	21.53		Continued.	To control Warora-Hinganghat loading.
Dhule-Chalisgaon	23/03/2011	12.48		Continued.	To Control Dhule ICT Loading.
Hingoli-Pusad	28/03/2011	06.17		Continued.	To control Load on Wardha-Yavatmal line
Karad-Mudsingi-IV	28/03/2011	23.18	29/03/2011	12.05	To attend SF6 Gas Leakage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	18/02/2011	10.56		Continued.	From Kalwa End
Voltage Level : 400KV			Outage Type TRIPPED		
Newkoyna - Jaigad - I	29/03/2011	05.28	29/03/2011	06.09	Distance Protection
Lonikand - Parli - I	29/03/2011	17.25	29/03/2011	18.01	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Wathar	30/03/2011	05.14		Continued.	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Mar/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	180
Unit 6	210	190
Unit 7	210	200
	620	570
Bhusawal		
Unit 2	210	170
Unit 3	210	185
Unit 4	0	
	420	355
Parli		
Unit 3	210	165
Unit 4	210	190
Unit 5	210	180
Unit 6	250	220
Unit 7	250	220
	1130	975
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	190
Unit 4	210	180
Unit 5	500	430
Unit 6	500	430
Unit 7	500	480
	2340	2030
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	0
Unit 4	210	210
Unit 5	0	
	840	630
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	162
Unit 4	210	172
Unit 5	210	162
	870	658
Uran		
All Units	852	475
	852	475
Dabhol		
RGPP	1940	1500
	1940	1500
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	16
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	261
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	550
WARDHA	405	352
Other CPPs	0	
	1005	902
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	3455	3291
	3455	3291