



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Oct/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.570	2147.422	1) Gujrat	7.472	320.457
2) Hydro	5.892	481.379	2) Madhya Pradesh	21.245	488.607
3) Gas	15.337	343.117	3) Chattisgarh	13.040	281.640
Total MSGENCO	128.799	2971.918	4) Maharashtra	43.998	995.382
B) OTHERS			5) Goa	-6.110	-144.264
1) JSW JAIGAD	28.961	498.867	6) TAPS 1&2 Injection	7.812	169.710
2) WPCL	8.751	225.014	7) RGPPL Injection	33.348	233.843
3) Other CPP / IPP	5.533	115.311	8) Pench (Excess)	-0.467	-12.986
4) Wind Generation	5.658	60.359	# Total Cent. Sector	120.338	2332.389
5) PENCH (MS)	0.467	13.779	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.772	-236.933
1) TPCL Thermal	30.363	713.221	G) Bilateral Power *		
2) TPCL Hydro	4.065	85.778	1) MSEDCL Bilateral	34.778	734.734
TOTAL TPCL	34.428	798.999	Include PX	0.000	175.412
3) REL Thermal	12.591	300.410	2) MUMBAI Bilateral	11.894	289.718
D) STATE			Include PX	0.947	21.823
1) Thermal (A1+C1+C3)	150.524	3161.053	3) MUMBAI Schedule	11.894	290.743
2) Hydro (A2+B5+C2)	10.424	580.936	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.337	343.117	1) MSEDCL	289.735	6563.641
4) Wind (B4)	5.658	60.359	2) TPCL	37.348	890.215
5) CPP (B1+B2+B3)	43.245	839.192	3) REL	18.441	446.573
TOTAL STATE	225.188	4984.657	TOTAL STATE	345.524	7900.429

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4438	4791	4349
MSGENCO Hydro	381	503	75
MSGENCO Gas	626	638	670
MSGENCO Total Generation	5445	5932	5094
Central Sector Receipt	5430	5549	4421
WIND	351	228	249
CPP / IPP	1794	1839	1789
Exchange with Mumbai	-423	-555	-46
MSEDCL DEMAND MET	12597	13043	11499
Load Shedding (LS)	1503	673	287
MSEDCL DEMAND (INCL. LS)	14100	13716	11786
TPCL GENERATION	1742	1668	1064
REL GENERATION	525	523	524
TPCL+REL DEMAND	2690	2746	1634
STATE DEMAND MET	15287	15789	13133
Load Management (LM)	2141	3430	1768
Total Load Relief (LS+LM)	3644	4103	2055
UNRESTRICTED STATE DEMAND	18931	19892	15188
Frequency (Hz)	49.57	49.80	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 14:57 Hrs	49.21 Hz at 18:26 Hrs	49.71	0 % 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 24/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.41	79.05	160	124	150
Unit 6	3.78	69.68	171	142	140
Unit 7	0.00	22.85	0	0	0
Total	7.20	171.58			290
Bhusawal					
Unit 2	3.64	12.82	165	120	160
Unit 3	0.99	76.26	145	0	0
Unit 4	0.00	3.62	0	0	0
Total	4.63	92.71			160
Parli					
Unit 3	3.13	74.38	152	103	128
Unit 4	3.00	23.18	158	112	115
Unit 5	3.13	70.08	169	109	132
Unit 6	0.00	80.31	0	0	0
Unit 7	4.48	19.32	219	149	190
Total	13.75	267.27			565
Chandrapur					
Unit 1	3.76	91.64	168	138	160
Unit 2	3.41	77.19	147	138	140
Unit 3	4.20	100.01	190	158	185
Unit 4	4.72	40.84	205	180	200
Unit 5	10.08	193.79	450	370	375
Unit 6	9.43	189.26	415	365	375
Unit 7	8.96	198.57	465	316	350
Total	44.58	891.31			1785
Paras					
Unit 3	3.41	74.00	160	123	150
Unit 4	3.00	51.72	170	69	150
Total	6.41	125.72			300
Khaparkheda					
Unit 1	4.92	91.89	210	195	210
Unit 2	4.68	66.40	201	181	200
Unit 3	4.99	97.25	219	127	200
Unit 4	5.27	101.14	221	217	210
Unit 5	0.00	31.95	0	0	0
Total	19.86	388.63			820
Nasik					
Unit 3	4.13	75.33	195	160	144
Unit 4	3.57	64.72	167	130	126
Unit 5	3.45	70.15	168	103	126
Total	11.15	210.20			396
Uran					
All Units	15.34	343.12	676	593	630
Total	15.34	343.12			630
PENCH (MS)					
Pench (MS)	0.47	13.78	51	0	0
Total	0.47	13.78			0
Koyna					
Stage 1-2	2.32	141.10	435	35	600
Stage 4	0.53	216.86	264	0	250
Stage 3	0.24	77.36	116	0	320
Total	3.09	435.32			1170
Kovna 12&4 Total	2.85	357.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	1.27	0	0	0
TILLARI	0.48	9.33	60	0	60
BHTGR/VEER	0.04	2.12	2	1	4
BHIRA T.R.	0.14	6.77	40	0	41
RNGR+BHTSA	0.34	7.79	15	13	10
BHANDARDRA	0.00	2.23	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.44	9.86	25	15	15
GHATGHAR	1.36	5.29	205	0	0
Total	2.80	46.06			130
Wind					
MalharPeth	0.27	3.35			
Vankuswadi	0.69	6.98			
ATIT	0.07	1.06			
Kale	0.25	2.31			
Satara	1.53	9.09			
Shirala	0.27	2.59			
K Mahankal	0.03	3.34			
Supa	0.13	1.80			
Vita	1.32	9.67			
Dondaicha	0.00	9.82			
Sakri	0.05	1.84			
Nandurbar	0.02	1.38			
Khandke	0.56	4.62			
Khaparale	0.45	2.54			
Total	5.66	60.36			
CPP					
JSW JAIGAD	28.96	498.87	1218	1176	1100
WARDHA	8.75	225.01	397	328	365
Other CPPs	5.53	115.31			
Total	43.24	839.19			1465
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	274.37	490	490	490
Trombay 6	8.98	200.64	500	155	500
Trombay 7A	2.83	62.93	123	110	120
Trombay 7B	1.56	35.90	66	63	60
Trombay 8	5.23	139.38	245	169	250
TATA Hydro	4.06	85.78	459	0	447
Total	34.43	799.00			1867
REL					
1&2	12.59	300.41	527	523	500
Total	12.59	300.41			500
Cent Sect					
Share					5133
Total					5133

MS PG CL	Thermal	107.57	2147.42			4316
	Thml+Gas	122.91	2490.54			4946
	Hydro	5.89	481.38			1300
	Total	128.80	2971.92			6246
State Total		225.19	4984.66			15211

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/Oct/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4346	80	668	5094	214	1807	4602	4704	-440	-333	11511	2303	11670	1968	15782	49.67
2	4304	70	670	5044	243	1786	4539	4605	-316	-206	11497	2172	11741	1808	15477	49.73
3	4290	85	673	5048	245	1769	4495	4646	-316	-107	11627	1919	11901	1704	15250	49.88
4	4349	75	670	5094	249	1755	4475	4421	-316	-46	11499	2055	11786	1634	15188	49.89
5	4377	80	676	5133	240	1734	4460	4527	-316	-22	11637	2087	11941	1610	15334	49.78
6	4412	469	668	5549	221	1751	4414	4481	-284	-63	11966	2396	12499	1651	16013	49.60
7	4481	137	673	5291	226	1796	4553	4345	-198	-106	11567	3285	12788	1716	16568	49.64
8	4482	78	660	5220	216	1803	4660	4962	-227	-159	12042	3604	13157	1847	17493	49.80
9	4557	151	644	5352	206	1793	4799	4998	-285	-206	12143	3795	13325	2131	18069	49.65
10	4540	141	626	5307	236	1784	5099	5063	-459	-356	12034	3734	13440	2488	18256	49.59
11	4438	381	626	5445	351	1794	5389	5430	-639	-423	12597	3644	14100	2690	18931	49.57
12	4338	343	612	5293	322	1799	5435	5374	-660	-481	12307	3727	13891	2805	18839	49.60
13	4350	237	600	5187	240	1789	5435	5545	-660	-438	12323	3900	14077	2793	19016	49.62
14	4330	306	593	5229	172	1786	5449	5483	-660	-405	12265	3567	13779	2719	18551	49.65
15	4276	522	607	5405	133	1777	5423	5717	-660	-530	12502	3275	13891	2780	18557	49.68
16	4291	855	600	5746	104	1794	5301	5222	-661	-556	12310	3314	13797	2785	18409	49.56
17	4473	162	602	5237	117	1834	5280	5019	-681	-547	11660	3703	13263	2744	18107	49.69
18	4607	145	615	5367	123	1847	5185	5145	-562	-482	12020	3382	12858	2696	18098	49.66
19	4685	474	626	5785	159	1853	5282	5441	-620	-524	12739	4157	13544	2769	19665	49.66
20	4791	503	638	5932	228	1839	5451	5549	-643	-555	13043	4103	13716	2746	19892	49.80
21	4761	340	641	5742	291	1824	5471	5625	-647	-603	12929	3836	13355	2614	19379	49.76
22	4755	115	641	5511	364	1845	5496	5311	-639	-618	12464	3667	12742	2486	18617	49.85
23	4725	74	654	5453	364	1796	5182	4755	-497	-531	11888	3469	12125	2381	17738	49.80
24	4612	69	654	5335	394	1890	5093	3971	-511	-475	11166	3054	11335	2226	16446	49.80
MUs	107.5 7	5.89	15.34	128.80	5.66	43.24	120.97	120.34	-11.89	-8.77	289.74	78.15	310.72	55.79	423.68	49.71

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 24/Oct/2011

Position as on 6.30 Hrs of 25/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Annual Overhaul	25/10/2011
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	
Parli Unit 6	250	21/10/2011	21.19		Continued.	Low bunkering problem.	25/10/2011
Bhusawal Unit 3	210	22/10/2011	13:15	24/10/2011	15.42	Drum level, I D Fan inspection.	
Dabhol 1A	230	22/10/2011	17:56		Continued.	P.G. Test.	
CPP WPCL U-4	135	23/10/2011	01:42		Continued.	Maintenance work.	
Dabhol 3A	230	23/10/2011	13:56	24/10/2011	05:11	Generator Differantional Protection operated.	
Koyana Unit 8	80	24/10/2011	07.15		Continued.	Pre maintenance work.	25/10/2011
Bhusawal Unit 3	210	25/10/2011	01.52	25/10/2011	04.47	Turbine tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2011

Position as on 6.30 Hrs of 25/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	23/10/2011	11:30		Continued.	Damper Vibration work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	22/10/2011	09.46	24/10/2011	10.15	Over Voltage.
Kolhapur - Mapusa - I	23/10/2011	11:57		Continued.	Over Voltage.
Parli (PGCIL)-Bhadravati-II	23/10/2011	21:57		Continued.	Over Voltage.
Dhule - S'Sarovar- II	24/10/2011	02:27		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	24/10/2011	23.33		Continued.	Over Voltage.
Parli-Solapur (PGCIL) Ckt.II	24/10/2011	23.45		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	22/10/2011	17:05		Continued.	Bus-I Bus bar protection operated due to Bursting of 400 KV Solapur (PGCIL) circuit breaker (Y-ph pole).
Voltage Level : 220KV			Outage Type TRIPPED		
Tillari-Amona-II	23/10/2011	16:30	24/10/2011	03:22	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Nagothane.	19/10/2011	10.45		Continued.	H V Side Taken on TBC.
Main Bus - I @ Kolhapur	23/10/2011	10:47	24/10/2011	13.20	R-ph Isolator work on 400 KV Bus Coupler.
400 KV Bus Coupler @ New Koyna	24/10/2011	16.03	24/10/2011	16.24	For oil pressure SF6 gas pressure built up.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 15.10.2011
Wadkhal - Ndil - 2	23/10/2011	10:45		Continued.	Replacement of new CTPT metering.
Jambhul - Anandnagar	24/10/2011	09.57	24/10/2011	16.24	Hot spot attending work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Supa - Shirur	23/10/2011	09:05		Continued.	Tower errection work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bus Coupler @ 400 KV Kolhapur	23/10/2011	03:05	24/10/2011	13.30	Due to Heavy sparking at B-ph pentagraph isolator.
Bhusawal- Aurangabad	23/10/2011	21.37	24/10/2011	07.08	Over Voltage.
Karad - Kolhapur - I	24/10/2011	06.50		Continued.	Over Voltage.
Bhusawal- Aurangabad	24/10/2011	22.37		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stabily.
Bale-Murud	16/10/2011	05.08		Continued.	To control Parli ICT loading.
Bale-Osmanbad	16/10/2011	05.08		Continued.	To control Parli ICT loading
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N.40.44,45,46.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2011

Position as on 6.30 Hrs of 25/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.
New Koyna-Karad-II	23/10/2011	13:54	24/10/2011	08.24	R-ph LA Burst at New Koyna.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
Dhule-Dondaicha-II	24/10/2011	20.33	24/10/2011	21.49	Distance protection R ph. to earth.
Dhule-Dondaicha-II	25/10/2011	03.06	25/10/2011	03.52	Distance protection R ph. to earth.
Dhule-Dondaicha-II	25/10/2011	04.25		Continued.	Distance protection R ph. to earth.Declared faulty.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	160
Unit 7	210	0
	620	310
Bhusawal		
Unit 2	210	165
Unit 3	210	140
Unit 4	500	
	920	305
Parli		
Unit 3	210	135
Unit 4	210	110
Unit 5	210	105
Unit 6	250	0
Unit 7	250	140
	1130	490
Chandrapur		
Unit 1	210	140
Unit 2	210	110
Unit 3	210	150
Unit 4	210	120
Unit 5	500	420
Unit 6	500	420
Unit 7	500	400
	2340	1760
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	830
Nasik		
Unit 3	210	162
Unit 4	210	144
Unit 5	210	144
	630	450
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	1
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	14
GHATGHAR	250	
	611	128
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	1100
WARDHA	405	349
Other CPPs	0	
	1005	1449
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5457
	3455	5457

	17900	7 of 7	15666
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