



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Oct/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.038	2039.852	1) Gujrat	9.396	312.985
2) Hydro	6.344	475.487	2) Madhya Pradesh	24.545	467.362
3) Gas	15.278	327.780	3) Chattisgarh	13.680	268.600
Total MSGENCO	127.660	2843.119	4) Maharashtra	42.931	951.384
B) OTHERS			5) Goa	-5.902	-138.154
1) JSW JAIGAD	22.462	469.906	6) TAPS 1&2 Injection	7.835	161.898
2) WPCL	8.640	216.263	7) RGPPL Injection	30.727	200.495
3) Other CPP / IPP	5.147	109.778	8) Pench (Excess)	-0.504	-12.519
4) Wind Generation	2.713	54.701	# Total Cent. Sector	122.708	2212.051
5) PENCH (MS)	0.504	13.312	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.179	-228.161
1) TPCL Thermal	25.837	682.858	G) Bilateral Power *		
2) TPCL Hydro	0.028	81.713	1) MSEDCL Bilateral	30.747	699.956
TOTAL TPCL	25.865	764.571	Include PX	0.000	175.412
3) REL Thermal	12.566	287.819	2) MUMBAI Bilateral	9.994	277.824
D) STATE			Include PX	-0.223	20.876
1) Thermal (A1+C1+C3)	144.441	3010.529	3) MUMBAI Schedule	9.994	278.849
2) Hydro (A2+B5+C2)	6.876	570.512	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.278	327.780	1) MSEDCL	280.655	6273.906
4) Wind (B4)	2.713	54.701	2) TPCL	31.291	852.867
5) CPP (B1+B2+B3)	36.249	795.947	3) REL	16.318	428.132
TOTAL STATE	205.557	4759.469	TOTAL STATE	328.264	7554.905

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	4485	4149	4583
MSGENCO Hydro	276	660	72
MSGENCO Gas	601	630	657
MSGENCO Total Generation	5362	5439	5312
Central Sector Receipt	5661	5519	4665
WIND	176	101	97
CPP / IPP	1396	1686	1635
Exchange with Mumbai	-385	-466	-287
MSEDCL DEMAND MET	12210	12332	11190
Load Shedding (LS)	1667	727	389
MSEDCL DEMAND (INCL. LS)	13877	13059	11579
TPCL GENERATION	1177	1288	871
REL GENERATION	526	522	522
TPCL+REL DEMAND	2088	2276	1680
STATE DEMAND MET	14298	14608	12870
Load Management (LM)	1946	3077	1792
Total Load Relief (LS+LM)	3613	3804	2181
UNRESTRICTED STATE DEMAND	17911	18412	15051
Frequency (Hz)	49.67	49.89	49.82

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 06.06 Hrs	49.17 Hz at 18.27 Hrs	49.78	.13 % 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 23/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.21	75.64	145	123	130
Unit 6	3.84	65.90	170	144	160
Unit 7	0.00	22.85	0	0	0
Total	7.05	164.38			290
Bhusawal					
Unit 2	3.43	9.18	160	125	150
Unit 3	0.00	75.28	0	0	0
Unit 4	0.00	3.62	0	0	0
Total	3.43	88.08			150
Parli					
Unit 3	2.76	71.25	149	63	142
Unit 4	2.76	20.18	135	89	130
Unit 5	2.65	66.95	143	86	125
Unit 6	0.00	80.31	0	0	0
Unit 7	5.23	14.84	244	167	180
Total	13.40	253.53			577
Chandrapur					
Unit 1	3.82	87.88	164	151	165
Unit 2	3.40	73.78	149	129	140
Unit 3	4.33	95.81	191	158	180
Unit 4	4.72	36.12	205	182	190
Unit 5	9.96	183.70	450	350	430
Unit 6	9.60	179.83	445	325	430
Unit 7	9.73	189.60	463	331	450
Total	45.56	846.74			1985
Paras					
Unit 3	3.55	70.59	178	125	150
Unit 4	3.34	48.72	160	109	150
Total	6.89	119.31			300
Khaparkheda					
Unit 1	4.90	86.97	210	195	200
Unit 2	4.37	61.72	195	162	190
Unit 3	4.64	92.26	213	175	200
Unit 4	5.24	95.88	222	214	210
Unit 5	0.00	31.95	0	0	0
Total	19.14	368.77			800
Nasik					
Unit 3	3.68	71.20	175	130	175
Unit 4	3.41	61.15	157	126	150
Unit 5	3.48	66.70	155	135	140
Total	10.57	199.05			465
Uran					
All Units	15.28	327.78	667	596	650
Total	15.28	327.78			650
PENCH (MS)					
Pench (MS)	0.50	13.31	53	0	0
Total	0.50	13.31			0
Koyna					
Stage 1-2	2.56	138.78	275	45	600
Stage 4	0.18	216.33	136	0	250
Stage 3	0.94	77.12	172	0	320
Total	3.68	432.23			1170
Kovna 12&4 Total	2.74	355.11			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.38	1.27	61	0	0
TILLARI	0.39	8.85	60	0	60
BHTGR/VEER	0.03	2.08	2	1	2
BHIRA T.R.	0.15	6.63	57	0	41
RNGR+BHTSA	0.36	7.45	15	15	15
BHANDARDRA	0.03	2.23	15	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.36	9.43	24	11	12
GHATGHAR	0.97	3.92	250	0	0
Total	2.66	43.26			130
Wind					
MalharPeth	0.14	3.08			
Vankuswadi	0.29	6.28			
ATIT	0.14	0.99			
Kale	0.12	2.06			
Satara	0.09	7.56			
Shirala	0.11	2.32			
K Mahankal	0.61	3.30			
Supa	0.07	1.66			
Vita	0.70	8.34			
Dondaicha	0.00	9.82			
Sakri	0.10	1.79			
Nandurbar	0.03	1.37			
Khandke	0.18	4.06			
Khaparale	0.13	2.08			
Total	2.71	54.70			
CPP					
JSW JAIGAD	22.46	469.91	1099	824	1100
WARDHA	8.64	216.26	380	348	360
Other CPPs	5.15	109.78			
Total	36.25	795.95			1460
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.43	262.61	490	250	490
Trombay 6	8.22	191.66	500	190	500
Trombay 7A	2.83	60.10	123	113	120
Trombay 7B	1.56	34.34	66	64	60
Trombay 8	5.78	134.15	248	230	250
TATA Hydro	0.03	81.71	10	0	447
Total	25.86	764.57			1867
REL					
1&2	12.57	287.82	527	521	500
Total	12.57	287.82			500
Cent Sect					
Share					5174
Total					5174

MS PG CL	Thermal	106.04	2039.85			4567
	Thml+Gas	121.32	2367.63			5217
	Hydro	6.34	475.49			1300
	Total	127.66	2843.12			6517
State Total		205.56	4759.47			15518

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	4534	239	654	5427	109	1434	4694	4793	-485	-493	11300	2305	11478	2062	15667	49.67
2	4587	452	657	5696	103	1385	4620	4506	-391	-469	11246	2235	11551	1882	15363	49.67
3	4603	226	657	5486	99	1378	4609	4723	-338	-370	11341	2049	11720	1764	15154	49.72
4	4583	72	657	5312	97	1378	4569	4665	-295	-287	11190	2181	11579	1680	15051	49.82
5	4540	72	658	5270	105	1377	4549	4836	-274	-257	11356	2185	11753	1652	15193	49.80
6	4605	222	665	5492	123	1379	4538	4958	-264	-232	11743	2443	12318	1676	15862	49.68
7	4638	222	667	5527	118	1384	4742	4662	-262	-204	11510	3245	12841	1688	16443	49.80
8	4554	156	664	5374	125	1379	4746	4230	-267	-190	10924	3522	12135	1694	16140	49.99
9	4483	101	646	5230	113	1380	4812	4860	-320	-232	11351	3412	12321	1767	16530	49.73
10	4460	144	636	5240	128	1377	5044	5624	-428	-340	12029	3542	13389	1928	17499	49.78
11	4457	211	625	5293	154	1381	5133	5633	-480	-383	12078	3644	13781	2067	17789	49.70
12	4485	276	601	5362	176	1396	5143	5661	-491	-385	12210	3613	13877	2088	17911	49.67
13	4404	235	596	5235	140	1461	5143	5410	-491	-404	11842	3829	13722	2100	17771	49.73
14	4413	228	596	5237	99	1506	5143	5707	-491	-369	12180	3505	13842	2050	17735	49.78
15	4321	419	613	5353	57	1546	4990	5625	-491	-374	12207	3169	13691	2044	17420	49.80
16	4359	444	611	5414	44	1592	4749	5479	-505	-424	12105	3272	13748	2030	17407	49.81
17	4302	170	612	5084	37	1654	4714	4937	-489	-402	11310	3534	12960	2005	16849	49.92
18	4162	244	620	5026	40	1681	4679	4762	-468	-391	11135	3364	12221	1995	16494	49.66
19	4128	916	634	5678	65	1677	4811	5219	-473	-550	12139	3929	13051	2191	18259	49.73
20	4149	660	630	5439	101	1686	4939	5519	-423	-466	12332	3804	13059	2276	18412	49.89
21	4251	360	628	5239	119	1694	4944	5660	-423	-444	12318	3621	12885	2268	18207	49.88
22	4343	93	646	5082	183	1701	4931	5321	-423	-472	11865	3416	12250	2264	17545	49.89
23	4378	93	653	5124	187	1705	4713	5229	-526	-535	11761	3371	12101	2260	17392	49.91
24	4293	89	652	5034	191	1718	4570	4692	-497	-506	11180	2960	11424	2179	16319	49.80
MUs	106.0 3	6.34	15.28	127.65	2.71	36.25	115.52	122.71	-9.99	-9.18	280.65	76.15	303.70	47.61	404.41	49.78

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 23/Oct/2011

Position as on 6.30 Hrs of 24/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	23/10/2011
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	
Koyna ST-IV 1	250	20/10/2011	00.01		Continued.	Servo Motor D C Leakage.	24/10/2011
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	22/10/2011
Parli Unit 6	250	21/10/2011	21.19		Continued.	Low bunkering problem.	22/10/2011
CPP JSW (J) U2	300	22/10/2011	00.01	23/10/2011	11:34	Maint.work	
Bhusawal Unit 3	210	22/10/2011	13:15		Continued.	Drum level, I D Fan inspection.	24/10/2011
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.	
Koyna Unit 6	75	23/10/2011	07:10	23/10/2011	17:20	Preventive maintenance work.	
Dabhol 3A	230	23/10/2011	13:56	24/10/2011	05:11	Generator Differantional Protection operated.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Oct/2011

Position as on 6.30 Hrs of 24/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-S'Sarovar I	22/10/2011	09:46	23/10/2011	14:20	Attend work at Loc.No 233 as earth wire slipped from quarter pin.
Karad - Solapur (PGCIL)	23/10/2011	11:30		Continued.	Damper Vibration work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoisor-Bhoisor(PGCIL)-I	23/10/2011	07:44	23/10/2011	12:00	Hot spot attending work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kanhan - Pench - I	23/10/2011	10:11	23/10/2011	15:22	Conductor tightening.
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.
Solapur PG - Parly PG - I	19/10/2011	21:30	23/10/2011	12:27	Over Voltage.
Kolhapur - Mapusa - II	23/10/2011	03:02	23/10/2011	11:42	Due to Heavy sparking at B-ph pentagraph isolator.
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.
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).
Kolhapur - Mapusa - I	22/10/2011	17:05	23/10/2011	02:59	Due to Bus fault at Karad.
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.
Dabhol - Nagothane - I	23/10/2011	08:52	23/10/2011	14:24	Replacement of Insulator Stringing.
Main Bus - I @ Kolhapur	23/10/2011	10:47		Continued.	R-ph Isolator work on 400 KV Bus Coupler.
Dabhol-Nagothane - II	23/10/2011	15:33	23/10/2011	18:02	Hot Spot attend.
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
Boiser PGCIL-Boiser II	19/10/2011	07.26		Continued.	Taken on TBC Hot Spot.
Kalwa-Colourchem	23/10/2011	07:00	23/10/2011	20:30	R-ph stub bus conductor replacement.
Dahanu - Ghodbandar - I	23/10/2011	08:44	23/10/2011	15:11	Annual maintenance work.
Main Bus-II at 220 KV Kalwa.	23/10/2011	08:47	23/10/2011	20:23	R-ph Bus conductor replacement.
220/100 KV 200 MVA ICT II at Trombay	23/10/2011	09:57	23/10/2011	16:33	Attending oil leakages.
Wadkhal - Ndil - 2	23/10/2011	10:45		Continued.	Replacement of new CTPT metering.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Supa - Shirur	23/10/2011	09:05		Continued.	Tower erection work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Oct/2011

Position as on 6.30 Hrs of 24/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali-Borivali Tata-II	23/10/2011	07:18	23/10/2011	19:37	To facilitate stringing of conductor at 220 KV Bo-Bo 5 line.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	19/10/2011	09:06	23/10/2011	11:20	Over Voltage.
400/220KV 105 MVA Spare ICT at Parly II	22/10/2011	13:50		Continued.	To remove trip coil assembly for Bus Coupler.
Bhusawal- Aurangabad	22/10/2011	22:38	23/10/2011	08:49	Over Voltage.
400/220 KV 315MVA ICT- II @ Kolhapur	23/10/2011	03:03	23/10/2011	11:24	Due to Heavy sparking at B-ph pentagraph isolator.
Bus Coupler @ 400 KV Kolhapur	23/10/2011	03:05		Continued.	Due to Heavy sparking at B-ph pentagraph isolator.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
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.
Padgha-Temghar I	18/10/2011	18.46	23/10/2011	06:32	To Control Padgha ICT Loading.
Padgha - Temghar - II	18/10/2011	18.48	23/10/2011	06:35	To Control Padgha ICT Loading.
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.
Karad-Jaigad II	23/10/2011	07:32	23/10/2011	18:47	Over voltage.
New Koyna-Karad-II	23/10/2011	13:54		Continued.	R-ph LA Burst at New Koyna.
New Koyna - Karad - I	23/10/2011	14:44	23/10/2011	14:55	Distance Protection.
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
Giravali-Gangakhed	23/10/2011	14:29	23/10/2011	14:45	Distance Protection Operated Zone-1 Y-ph to earth.
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 24/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	140
Unit 7	210	0
	620	290
Bhusawal		
Unit 2	210	160
Unit 3	210	0
Unit 4	500	
	920	160
Parli		
Unit 3	210	128
Unit 4	210	115
Unit 5	210	132
Unit 6	250	0
Unit 7	250	190
	1130	565
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	185
Unit 4	210	200
Unit 5	500	375
Unit 6	500	375
Unit 7	500	350
	2340	1785
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	820
Nasik		
Unit 3	210	144
Unit 4	210	126
Unit 5	210	126
	630	396
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	4
BHIRA T.R.	80	41
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	130
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	365
Other CPPs	0	
	1005	1465
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	5133
	3455	5133

	17900	7 of 7 15211
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