



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/May/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.202	2675.706	1) Gujrat	4.650	87.437
2) Hydro	28.202	366.342	2) Madhya Pradesh	19.479	395.485
3) Gas	12.504	253.605	3) Chattisgarh	12.520	242.370
Total MSGENCO	151.908	3295.653	4) Maharashtra	66.233	1326.099
B) OTHERS			5) Goa	-7.305	-150.007
1) JSW JAIGAD	28.222	597.931	6) TAPS 1&2 Injection	7.700	170.033
2) WPCL	7.896	193.820	7) RGPPL Injection	20.593	463.314
3) Other CPP / IPP	6.071	179.603	8) Pench (Excess)	-0.139	-2.843
4) Wind Generation	16.671	287.617	# Total Cent. Sector	123.731	2531.888
5) PENCH (MS)	0.139	2.843	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.284	-299.045
1) TPCL Thermal	28.825	602.162	G) Bilateral Power *		
2) TPCL Hydro	4.801	86.156	1) MSEDCL Bilateral	39.479	840.907
TOTAL TPCL	33.626	688.318	Include PX	0.000	-3.548
3) REL Thermal	12.556	261.831	2) MUMBAI Bilateral	16.336	312.994
D) STATE			Include PX	4.696	57.861
1) Thermal (A1+C1+C3)	152.583	3539.699	3) MUMBAI Schedule	16.336	318.693
2) Hydro (A2+B5+C2)	33.142	455.341	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.504	253.605	1) MSEDCL	321.354	6790.310
4) Wind (B4)	16.671	287.617	2) TPCL	39.118	825.836
5) CPP (B1+B2+B3)	42.189	971.354	3) REL	20.348	423.312
TOTAL STATE	257.089	5507.616	TOTAL STATE	380.820	8039.458

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4485	4615	4519
MSGENCO Hydro	2069	1467	626
MSGENCO Gas	470	430	626
MSGENCO Total Generation	7024	6512	5771
Central Sector Receipt	5630	5132	4964
WIND	364	903	823
CPP / IPP	1748	1756	1768
Exchange with Mumbai	-729	-710	-311
MSEDCL DEMAND MET	14037	13593	13015
Load Shedding	917	825	347
MSEDCL DEMAND	14954	14418	13362
TPCL GENERATION	1718	1704	988
R-INFRA GENERATION	522	524	524
TPCL+R-INFRA DEMAND	2969	2938	1823
STATE DEMAND MET	17006	16531	14838
STATE DEMAND	17923	17356	15185
Frequency (Hz)	49.65	49.53	49.63

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 08.02 Hrs	48.91 Hz at 23.06 Hrs	49.67	1.68 % 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 22/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.74	71.46	165	150	155
Unit 6	3.93	66.34	172	145	160
Unit 7	0.04	68.74	45	0	0
Total	7.71	206.54			315
Bhusawal					
Unit 2	3.42	80.70	155	130	160
Unit 3	4.08	86.98	180	160	170
Unit 4	0.00	52.32	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.50	220.00			330
Parli					
Unit 3	1.75	91.92	198	0	0
Unit 4	3.97	81.37	183	132	170
Unit 5	3.92	87.11	175	140	173
Unit 6	5.09	91.18	253	125	250
Unit 7	4.25	77.40	222	157	160
Total	18.98	428.98			753
Chandrapur					
Unit 1	3.91	73.78	170	156	165
Unit 2	3.81	80.96	165	152	160
Unit 3	4.27	91.80	187	168	180
Unit 4	2.42	73.98	153	27	100
Unit 5	10.46	236.91	455	420	450
Unit 6	0.00	195.81	0	0	0
Unit 7	10.36	161.88	448	410	425
Total	35.23	915.11			1480
Paras					
Unit 3	5.70	118.00	260	210	250
Unit 4	0.00	0.59	0	0	0
Total	5.70	118.58			250
Khaparkheda					
Unit 1	4.20	89.02	190	150	185
Unit 2	4.26	92.46	192	170	165
Unit 3	4.62	98.52	200	186	190
Unit 4	4.82	100.56	210	191	195
Unit 5	4.27	109.94	301	148	150
Total	22.18	490.50			885
Nasik					
Unit 3	5.26	106.66	220	210	210
Unit 4	4.32	95.32	200	160	180
Unit 5	4.31	94.01	191	162	170
Total	13.89	295.99			560
Uran					
All Units	12.50	253.60	634	417	630
Total	12.50	253.60			630
PENCH (MS)					
Pench (MS)	0.14	2.84	25	0	
Total	0.14	2.84			
Koyna					
Stage 1-2	7.83	101.98	565	40	600
Stage 4	12.44	121.90	1124	0	250
Stage 3	4.33	49.23	240	0	240
Kovna 12&4 Total	20.27	223.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	24.61	273.12			1090
Hydro					
KDPH	0.79	14.48	34	30	36
VTRNA	1.07	21.83	61	0	60
TILLARI	0.14	1.66	58	0	0
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.16	4.20	56	0	80
RNGR+BHTSA	0.26	5.98	11	10	11
BHANDARDRA	0.26	10.52	11	11	11
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.49	11.74	28	18	9
GHATGHAR	0.42	18.76	125	0	
Total	3.60	93.22			207
Wind					
MalharPeth	0.65	10.69			
Vankuswadi	0.93	15.54			
ATIT	0.46	3.30			
Kale	0.35	5.99			
Satara	0.91	20.85			
Shirala	0.25	5.16			
K Mahankal	0.46	10.79			
Supa	0.27	4.42			
Vita	1.26	22.76			
Dondaicha	7.45	134.06			
Sakri	0.89	15.42			
Nandurbar	0.76	12.84			
Khandke	1.07	13.84			
Khaparale	0.95	11.95			
Total	16.67	287.62			
CPP					
JSW JAIGAD	28.22	597.93	1196	1154	810
WARDHA	7.90	193.82	334	325	332
Other CPPs	6.07	179.60			
Total	42.19	971.35			1142
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.63	244.80	506	386	500
Trombay 6	6.66	134.95	401	161	500
Trombay 7A	2.93	63.31	125	119	120
Trombay 7B	1.62	35.46	68	67	60
Trombay 8	5.99	123.63	251	248	250
TATA Hydro	4.80	86.16	471	0	447
Total	33.63	688.32			1877
REL					
1&2	12.56	261.83	525	521	500
Total	12.56	261.83			500
Cent Sect					
Share					5641
Total					5641

MS PG CL	Thermal	111.20	2675.71			4573
	Thml+Gas	123.71	2929.31			5203
	Hydro	28.20	366.34			1297
	Total	151.91	3295.65			6500
State Total		257.09	5507.62			15660

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/May/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4503	1499	628	6630	755	1788	5242	5313	-724	-590	13901	221	14122	2274	16396	49.62
2	4522	1277	628	6427	690	1789	5122	4979	-605	-455	13430	293	13723	2072	15795	49.65
3	4533	1078	628	6239	711	1782	4979	4875	-514	-365	13242	314	13556	1936	15492	49.69
4	4575	686	628	5889	761	1777	4923	4970	-454	-346	13051	331	13382	1860	15242	49.81
5	4519	626	626	5771	823	1768	4882	4964	-421	-311	13015	347	13362	1823	15185	49.63
6	4502	892	633	6027	851	1741	4837	4888	-378	-272	13235	473	13708	1837	15545	49.72
7	4602	777	634	6013	545	1760	4846	4849	-369	-233	12934	890	13824	1831	15655	49.83
8	4677	599	634	5910	539	1739	4852	4946	-382	-251	12883	925	13808	1945	15753	49.85
9	4621	764	624	6009	416	1757	4882	5094	-428	-322	12954	999	13953	2246	16199	49.89
10	4637	1663	618	6918	442	1759	5174	5359	-644	-562	13916	734	14650	2633	17283	49.84
11	4598	1888	576	7062	302	1761	5478	5672	-850	-700	14097	747	14844	2910	17754	49.65
12	4485	2069	470	7024	364	1748	5592	5630	-963	-729	14037	917	14954	2969	17923	49.65
13	4483	2100	435	7018	467	1734	5562	5612	-943	-727	14104	1014	15118	2951	18069	49.71
14	4507	1862	417	6786	564	1738	5487	5272	-873	-697	13663	881	14544	2913	17457	49.58
15	4516	1954	430	6900	729	1728	5393	5376	-888	-711	14022	726	14748	2954	17702	49.59
16	4602	2038	426	7066	800	1746	5314	5209	-934	-691	14130	702	14832	2966	17798	49.63
17	4615	1467	430	6512	903	1756	5286	5132	-902	-710	13593	825	14418	2938	17356	49.53
18	4742	567	435	5744	979	1753	5142	4836	-748	-737	12575	808	13383	2854	16237	49.70
19	4762	184	440	5386	1171	1749	5194	4898	-689	-665	12552	557	13109	2748	15857	49.74
20	4803	383	431	5617	810	1754	5338	5384	-734	-503	13087	770	13857	2649	16506	49.73
21	4817	745	433	5995	720	1763	5279	5085	-665	-612	12976	760	13736	2728	16464	49.60
22	4830	499	434	5763	675	1771	5301	5123	-695	-678	12679	737	13416	2554	15970	49.56
23	4850	1144	437	6431	734	1751	5265	5192	-746	-728	13405	301	13706	2467	16173	49.42
24	4901	1441	429	6771	920	1777	5248	5073	-785	-689	13873	239	14112	2408	16520	49.35
MUs	111.20	28.20	12.50	151.91	16.67	42.19	124.62	123.73	-16.34	-13.28	321.35	15.51	336.86	59.47	396.33	49.67

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 22/May/2012

Position as on 6.30 Hrs of 23/May/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	30/05/2012
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Cent_Sect Kawas GT2A	106	26/04/2012	18.13		Continued.	Less Requisition	
Koyna Unit 12	80	16/05/2012	22:30		Continued.	Rotor earth fault.	
Dabhol 2B	230	17/05/2012	16.37		Continued.	W/Dn due to gas shortage.	
Koradi Unit 7	210	20/05/2012	08:27	22/05/2012	23.00	Boiler Tube Leakage.	
Bhusawal Unit 4	500	20/05/2012	18:41		Continued.	Inspection by M/S BHEL.	
Parli Unit 3	210	20/05/2012	19:40	22/05/2012	11.50	P.A. Fan Problem.	
Chandrapur Unit 6	500	20/05/2012	23.09		Continued.	Air Heater problem	
CPP WPCL U-3	135	21/05/2012	05.36		Continued.	Bottom Ash Problem	
Koyna ST - IV 4	250	21/05/2012	06.12	22/05/2012	11.40	Load Variation problem	
Uran Unit 8	108	22/05/2012	11.53		Continued.	Gas Shortage.	
Uran Unit B0	120	22/05/2012	12.29		Continued.	Y Phase Bushing Oil Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/May/2012

Position as on 6.30 Hrs of 23/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parly(PG) - Wardha (PG) - I	12/05/2012	20.40		Continued.	Over voltage
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Sarani - Pandurna	10/05/2012	08.38		Continued.	Erection of New Tower @ Loc.No.4AR/MC 10 Outage upto
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	21/05/2012	17.56	22/05/2012	09.25	Over Voltage
Wardha - Seoni - I	22/05/2012	08.59		Continued.	To Control Line Loading.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
400/220 KV 315 MVA ICT-II @ Nagothane.	22/05/2012	08.31	22/05/2012	20.18	R .M.Work.
400/220 KV 315 MVA ICT-I @ Dhule	22/05/2012	09.04		Continued.	Removal of Old Conductor.
Newkoyna - Jaigad - I	22/05/2012	09.21	22/05/2012	13.58	Cold Line Insulator Washing.
New Koyna - Jaigad - II	22/05/2012	14.56	22/05/2012	19.00	Cold Line Insulator Washing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthening work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Auxiliary Bus @ Babhleshwar	08/05/2012	09.20		Continued.	Conductor Replacement Work.
Dharavi - Trombay - 5	20/05/2012	08.05		Continued.	Piling work
Pawas-Kharepatan	22/05/2012	09.30	22/05/2012	20.58	Outage.
Vita - Karad II	22/05/2012	10.11	22/05/2012	14.37	Q.M.Work.
Phursungi - Theur	22/05/2012	12.50	22/05/2012	16.35	Testing Work.
Miraj - Mhaisal	22/05/2012	14.15		Continued.	R.M.Work.
220/132 KV 100 MVA ICT - I @ Paranda	22/05/2012	15.14	22/05/2012	16.25	To Attend OLTC Problem.
220/132KV 100MVA ICT II at Paranda	22/05/2012	15.54	22/05/2012	16.27	To Attend OLTC Problem.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	21/05/2012	18.12	22/05/2012	07.21	Over Voltage
Bhusawal- Aurangabad	22/05/2012	18.16	23/05/2012	06.11	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	22/05/2012	13.04	22/05/2012	13.44	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Kharepatan-Pawas	22/05/2012	03.05	22/05/2012	03.36	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/May/2012

Position as on 6.30 Hrs of 23/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/66 KV 150 MVA ICT- I @ Gadchandur	22/05/2012	21.38	22/05/2012	22.37	Tripped.
Vankuswadi-KDPH	23/05/2012	03.30		Continued.	Distance Protection.
Pophali - KDPH	23/05/2012	03.30	23/05/2012	04.15	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	145
Unit 7	210	150
	620	450
Bhusawal		
Unit 2	210	160
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	330
Parli		
Unit 3	210	181
Unit 4	210	171
Unit 5	210	172
Unit 6	250	160
Unit 7	250	225
	1130	909
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	180
Unit 4	210	150
Unit 5	500	450
Unit 6	500	0
Unit 7	500	425
	2340	1535
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	200
	1340	940
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	410
	852	410
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	34
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	56
RNGR+BHTSA	20	10
BHANDARDRA	45	11
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	241
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	1085
WARDHA	405	425
Other CPPs	0	
	1005	1510
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	5337
	3455	5337