



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/May/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.486	2908.391	1) Gujrat	6.886	100.193
2) Hydro	13.356	405.453	2) Madhya Pradesh	18.556	431.505
3) Gas	10.677	274.336	3) Chattisgarh	10.840	264.770
Total MSGENCO	139.519	3588.180	4) Maharashtra	62.858	1451.650
B) OTHERS			5) Goa	-7.588	-165.443
1) JSW JAIGAD	28.554	654.927	6) TAPS 1&2 Injection	7.721	185.444
2) WPCL	7.997	209.612	7) RGPPL Injection	25.668	511.560
3) Other CPP / IPP	6.249	191.373	8) Pench (Excess)	-0.049	-3.024
4) Wind Generation	21.797	326.988	# Total Cent. Sector	124.892	2776.655
5) PENCH (MS)	0.049	3.024	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.682	-325.731
1) TPCL Thermal	29.634	661.245	G) Bilateral Power *		
2) TPCL Hydro	4.411	95.757	1) MSEDCL Bilateral	38.478	918.363
TOTAL TPCL	34.045	757.002	Include PX	0.000	-3.548
3) REL Thermal	12.568	286.956	2) MUMBAI Bilateral	15.456	343.576
D) STATE			Include PX	3.427	64.835
1) Thermal (A1+C1+C3)	157.688	3856.592	3) MUMBAI Schedule	15.456	349.275
2) Hydro (A2+B5+C2)	17.816	504.234	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.677	274.336	1) MSEDCL	315.375	7425.028
4) Wind (B4)	21.797	326.988	2) TPCL	40.036	905.773
5) CPP (B1+B2+B3)	42.800	1055.912	3) REL	20.259	463.867
TOTAL STATE	250.778	6018.062	TOTAL STATE	375.670	8794.668

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	4933	4721	4629
MSGENCO Hydro	757	1021	361
MSGENCO Gas	420	413	426
MSGENCO Total Generation	6110	6155	5416
Central Sector Receipt	5789	5201	4874
WIND	711	1020	987
CPP / IPP	1745	1765	1730
Exchange with Mumbai	-701	-770	-315
MSEDCL DEMAND MET	13654	13371	12692
Load Shedding	919	824	332
MSEDCL DEMAND	14573	14195	13024
TPCL GENERATION	1740	1672	1011
R-INFRA GENERATION	522	524	525
TPCL+R-INFRA DEMAND	2963	2966	1851
STATE DEMAND MET	16617	16337	14543
STATE DEMAND	17536	17161	14875
Frequency (Hz)	49.79	49.67	49.29

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 18.04 Hrs	49.03 Hz at 23.09 Hrs	49.68	4.46 % 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/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.23	78.03	154	116	130
Unit 6	3.25	72.92	151	110	130
Unit 7	3.26	74.92	180	0	150
Total	9.75	225.86			410
Bhusawal					
Unit 2	0.74	83.63	140	0	0
Unit 3	4.02	94.96	175	145	170
Unit 4	0.29	52.62	69	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.06	231.21			170
Parli					
Unit 3	4.46	100.84	203	158	200
Unit 4	2.97	88.26	149	95	145
Unit 5	3.77	94.70	178	132	145
Unit 6	5.47	101.95	255	190	242
Unit 7	5.36	87.93	247	192	200
Total	22.03	473.66			932
Chandrapur					
Unit 1	3.91	81.66	166	158	165
Unit 2	3.84	88.49	163	154	160
Unit 3	3.62	99.65	180	124	160
Unit 4	3.38	80.58	163	131	150
Unit 5	10.94	258.55	465	435	450
Unit 6	0.00	195.81	0	0	0
Unit 7	10.27	182.44	451	413	450
Total	35.95	987.17			1535
Paras					
Unit 3	5.95	129.98	258	233	250
Unit 4	0.00	0.59	0	0	0
Total	5.95	130.57			250
Khaparkheda					
Unit 1	4.38	97.46	190	170	180
Unit 2	4.40	101.17	195	160	180
Unit 3	4.61	107.81	197	182	200
Unit 4	4.86	110.34	205	200	200
Unit 5	5.34	119.69	291	148	150
Total	23.60	536.46			910
Nasik					
Unit 3	5.16	117.06	225	205	210
Unit 4	3.49	103.40	197	75	210
Unit 5	4.50	102.99	196	178	190
Total	13.15	323.45			610
Uran					
All Units	10.68	274.34	523	412	410
Total	10.68	274.34			410
PENCH (MS)					
Pench (MS)	0.05	3.02	23	0	0
Total	0.05	3.02			0
Koyna					
Stage 1-2	3.75	112.10	480	40	600
Stage 4	4.41	138.46	837	0	250
Stage 3	1.58	54.91	160	0	240
Kovna 12&4 Total	8.16	250.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.74	305.46			1090
Hydro					
KDPH	0.78	16.00	33	32	36
VTRNA	1.05	23.95	61	0	61
TILLARI	0.12	1.95	57	0	0
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.24	4.63	81	0	80
RNGR+BHTSA	0.26	6.49	11	10	0
BHANDARDRA	0.23	10.98	13	0	10
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.71	12.97	36	27	20
GHATGHAR	0.22	18.98	125	0	0
Total	3.62	99.99			207
Wind					
MalharPeth	0.75	12.16			
Vankuswadi	1.10	17.78			
ATIT	0.17	3.62			
Kale	0.54	7.07			
Satara	0.36	21.51			
Shirala	0.37	5.92			
K Mahankal	2.39	15.14			
Supa	0.24	4.84			
Vita	1.76	25.99			
Dondaicha	9.62	151.07			
Sakri	1.34	17.78			
Nandurbar	1.03	14.67			
Khandke	1.22	15.79			
Khaparale	0.90	13.65			
Total	21.80	326.99			
CPP					
JSW JAIGAD	28.55	654.93	1204	1140	1085
WARDHA	8.00	209.61	424	223	440
Other CPPs	6.25	191.37			
Total	42.80	1055.91			1525
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.58	267.98	504	391	500
Trombay 6	7.44	149.74	440	156	500
Trombay 7A	2.93	69.13	124	120	120
Trombay 7B	1.62	38.69	68	67	60
Trombay 8	6.06	135.70	256	250	250
TATA Hydro	4.41	95.76	392	0	447
Total	34.04	757.00			1877
REL					
1&2	12.57	286.96	525	522	500
Total	12.57	286.96			500
Cent Sect					
Share					5576
Total					5576

MS PG CL	Thermal	115.49	2908.39			4817
	Thml+Gas	126.16	3182.73			5227
	Hydro	13.36	405.45			1297
	Total	139.52	3588.18			6524
State Total		250.78	6018.06			16002

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4480	1415	421	6316	877	1684	5438	5489	-690	-599	13767	233	14000	2335	16335	49.29
2	4506	1312	429	6247	868	1718	5298	5042	-547	-487	13388	285	13673	2127	15800	49.50
3	4560	963	430	5953	906	1758	5212	4892	-498	-398	13111	299	13410	1999	15409	49.60
4	4538	666	430	5634	928	1759	5148	4813	-476	-352	12782	314	13096	1904	15000	49.52
5	4629	361	426	5416	987	1730	5110	4874	-438	-315	12692	332	13024	1851	14875	49.29
6	4723	512	433	5668	967	1765	5098	5033	-407	-309	13124	451	13575	1880	15455	49.64
7	4779	374	433	5586	918	1789	5088	4772	-385	-286	12779	850	13629	1859	15488	49.79
8	4776	224	430	5430	856	1789	5100	5117	-408	-344	12848	883	13731	1970	15701	49.76
9	4834	270	430	5534	758	1762	5169	4980	-452	-344	12690	966	13656	2257	15913	49.77
10	4903	670	424	5997	735	1761	5481	5521	-679	-585	13429	740	14169	2654	16823	49.75
11	4944	644	418	6006	774	1756	5759	5846	-824	-695	13687	714	14401	2935	17336	49.69
12	4933	757	420	6110	711	1745	5809	5789	-883	-701	13654	919	14573	2963	17536	49.79
13	4969	501	422	5892	861	1738	5819	5758	-886	-710	13539	1037	14576	2969	17545	49.93
14	4994	209	422	5625	902	1739	5743	5829	-805	-742	13353	900	14253	2946	17199	50.05
15	4912	522	415	5849	898	1760	5428	5564	-598	-696	13375	722	14097	2966	17063	49.79
16	4798	870	412	6080	903	1741	5511	5607	-808	-724	13607	690	14297	2966	17263	49.69
17	4721	1021	413	6155	1020	1765	5174	5201	-663	-770	13371	824	14195	2966	17161	49.67
18	4771	283	424	5478	1033	1833	5191	4832	-719	-802	12374	793	13167	2924	16091	49.81
19	4839	202	498	5539	1028	1843	5368	4369	-674	-745	12047	569	12616	2775	15391	49.87
20	4930	273	510	5713	1009	1863	5546	5111	-720	-682	13014	794	13808	2779	16587	49.70
21	4999	231	511	5741	957	1865	5494	5113	-659	-525	13151	790	13941	2680	16621	49.71
22	4994	199	510	5703	1021	1868	5510	4627	-684	-561	12658	776	13434	2561	15995	49.63
23	4992	379	523	5894	903	1885	5456	5284	-750	-634	13345	327	13672	2520	16192	49.49
24	4962	498	493	5953	977	1884	5382	5427	-800	-676	13588	244	13832	2509	16341	49.47
MUs	115.49	13.36	10.68	139.52	21.80	42.80	129.33	124.89	-15.46	-13.68	315.37	15.45	330.82	60.30	391.12	49.68

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/May/2012

Position as on 6.30 Hrs of 25/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.	
Koyna Unit 12	80	16/05/2012	22:30	25/05/2012	02:30	Rotor earth fault.	
Bhusawal Unit 4	500	20/05/2012	18:41	24/05/2012	18:41	Inspection by M/S BHEL.	
Chandrapur Unit 6	500	20/05/2012	23.09		Continued.	Air Heater problem	
CPP WPCL U-3	135	21/05/2012	05.36	24/05/2012	12:56	Bottom Ash Problem	
Uran Unit 8	108	22/05/2012	11.53	24/05/2012	18:17	Gas Shortage.	
Uran Unit B0	120	22/05/2012	12.29		Continued.	Y Phase Bushing Oil Leakage.	
Bhusawal Unit 2	210	23/05/2012	15.40	24/05/2012	12:53	Air Heater Problem.	
Bhusawal Unit 2	210	24/05/2012	14:23	24/05/2012	17:34	Boiler Trip.	
CPP WPCL U-2	135	24/05/2012	15:10	24/05/2012	16:51	Fleme Failure.	
Bhusawal Unit 2	210	24/05/2012	17:50	24/05/2012	19:40	Boiler Trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/May/2012

Position as on 6.30 Hrs of 25/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
Akola - Wardha - II	24/05/2012	13:44	24/05/2012	21:47	Extension of Gantry beam of M/S APTCL bay and bus extension.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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-I @ Dhule	22/05/2012	09.04	24/05/2012	21:56	Removal of Old Conductor.
Lonikand - Jejuri	24/05/2012	08:05	24/05/2012	18:44	Testing work.
Main Bus-II at Akola	24/05/2012	13:50	24/05/2012	21:48	Extension of Gantry Beams of M/S APTCL Bay and bus extension.
New Koyna - Jaigad - II	24/05/2012	15:51	24/05/2012	21:44	Replacement of Insulator.
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	24/05/2012	08:30	Conductor Replacement Work.
Warora-Wardha	24/05/2012	07:56	24/05/2012	16:12	Stringing work of 400 KV Mouda - Wardha D/C.
Hinganghat-Bhugaon	24/05/2012	07:56	24/05/2012	16:19	Stringing work of 400 KV Mouda - Wardha D/C.
Karad-Pedambe	24/05/2012	08:55	24/05/2012	20:04	Restranging of Conductor.
Pedambe - Oni	24/05/2012	09:10	24/05/2012	16:30	Q. M. Work.
Bus - II at Phursungi.	24/05/2012	09:15	24/05/2012	18:10	Hot Spot.
Kalwa-Trombay	24/05/2012	09:21	24/05/2012	18:27	R. M. Work.
220/132 KV 200 MVA ICT - I @ Parbhani	24/05/2012	09:34	24/05/2012	11:51	PRV and Buchholz Terminal maintenance work.
Apta-Uran-IV	24/05/2012	09:52	24/05/2012	18:31	Q. M. Work.
220/100 KV,200MVA ICT - I at Padgha	24/05/2012	10:29	24/05/2012	19:18	Hot Spot.
Bus Section - I at Chinchwad.	24/05/2012	11:12	24/05/2012	14:29	Hot Spot.
220/132 KV 100 MVA ICT-II @ Parbhani	24/05/2012	12:07	24/05/2012	13:17	PRV and Buchholz Terminal maintenance work.
Lonikand - Bhosari	24/05/2012	15:47	24/05/2012	16:41	To take Auto recloser in service.
Chakan - Bhosari	24/05/2012	16:36	24/05/2012	17:56	To take Auto recloser in service.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/May/2012

Position as on 6.30 Hrs of 25/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Ranjangaon - Kuruli	24/05/2012	10:51	24/05/2012	15:00	R. M. Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	23/05/2012	18.07	24/05/2012	06.24	Over Voltage.
Bhusawal- Aurangabad	24/05/2012	18:00		Continued.	Over Volatge.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Jaigad - II	24/05/2012	04.12	24/05/2012	04.41	Distanace Protection.
Dabhol - Nagothane - I	24/05/2012	04.22		Continued.	Distanace Protection,Decl.Faulty.
Newkoyna - Jaigad - I	24/05/2012	04.37	24/05/2012	15:37	Distanace Protection,Decl. Faulty.
New Koyna - Jaigad - II	25/05/2012	02:40	25/05/2012	03:05	Distanance Protection.
Newkoyna - Jaigad - I	25/05/2012	03:27	25/05/2012	03:45	Distanance Protection.
New Koyna - Jaigad - II	25/05/2012	04:05	25/05/2012	04:23	Distanance Protection.
New Koyna - Dabhol - I	25/05/2012	06:14		Continued.	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad --Bale	24/05/2012	11:38	24/05/2012	19:48	Distanace Protection.
Dhule-Chalisgaon	24/05/2012	11:40		Continued.	Dist. Prot., Zone-1, R-ph, condn snapped at loc.no.38 and 39.
Dhule - Dondaicha	24/05/2012	18:20		Continued.	O/C, Y-ph - E, Jumper out from Wavetrap.
Sahara-B'dying	25/05/2012	06:27		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Suprim	24/05/2012	14:24	24/05/2012	15:07	Dist. Prot., Zone - 1, 3 km. B-ph.
132/7 KV 31.5 MVA Station T/F- I at Bhusawal.	24/05/2012	14:24	24/05/2012	14:51	Dist. Prot., Zone - 1,3 KM., B-ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	130
Unit 7	210	170
	620	440
Bhusawal		
Unit 2	210	134
Unit 3	210	152
Unit 4	500	0
Unit 5	500	0
	1420	286
Parli		
Unit 3	210	195
Unit 4	210	125
Unit 5	210	162
Unit 6	250	225
Unit 7	250	225
	1130	932
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	180
Unit 4	210	150
Unit 5	500	475
Unit 6	500	0
Unit 7	500	425
	2340	1560
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	200
Unit 5	500	200
	1340	960
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
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	320
	1920	1170
Hydro		
KDPH	40	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	210
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	440
Other CPPs	0	
	1005	1525
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	5718
	3455	5718