



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/May/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.855	1959.586	1) Gujrat	7.275	50.129
2) Hydro	23.520	244.854	2) Madhya Pradesh	19.476	290.521
3) Gas	10.954	178.012	3) Chattisgarh	11.010	176.650
Total MSGENCO	153.329	2382.452	4) Maharashtra	50.459	942.246
B) OTHERS			5) Goa	-7.076	-107.849
1) JSW JAIGAD	29.085	429.457	6) TAPS 1&2 Injection	7.709	123.804
2) WPCL	10.051	137.781	7) RGPPL Injection	24.398	336.537
3) Other CPP / IPP	5.855	142.512	8) Pench (Excess)	-0.128	-2.348
4) Wind Generation	14.234	198.827	# Total Cent. Sector	113.123	1809.690
5) PENCH (MS)	0.128	2.348	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.475	-212.562
1) TPCL Thermal	29.878	432.916	G) Bilateral Power *		
2) TPCL Hydro	4.753	62.840	1) MSEDCL Bilateral	35.661	607.165
TOTAL TPCL	34.631	495.756	Include PX	0.000	-3.548
3) REL Thermal	12.504	200.906	2) MUMBAI Bilateral	13.767	220.311
D) STATE			Include PX	2.929	39.979
1) Thermal (A1+C1+C3)	161.237	2593.408	3) MUMBAI Schedule	13.767	220.311
2) Hydro (A2+B5+C2)	28.401	310.042	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.954	178.012	1) MSEDCL	313.330	4890.505
4) Wind (B4)	14.234	198.827	2) TPCL	39.450	601.436
5) CPP (B1+B2+B3)	44.991	709.750	3) REL	20.157	307.747
TOTAL STATE	259.817	3990.039	TOTAL STATE	372.937	5799.688

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	5113	4926	4855
MSGENCO Hydro	2014	1485	439
MSGENCO Gas	457	418	469
MSGENCO Total Generation	7584	6829	5763
Central Sector Receipt	4520	4676	4705
WIND	543	771	531
CPP / IPP	1890	1878	1859
Exchange with Mumbai	-779	-689	-342
MSEDCL DEMAND MET	13758	13465	12516
Load Shedding	847	557	315
MSEDCL DEMAND	14605	14022	12831
TPCL GENERATION	1681	1738	981
R-INFRA GENERATION	520	521	523
TPCL+R-INFRA DEMAND	2980	2948	1846
STATE DEMAND MET	16738	16413	14362
STATE DEMAND	17585	16970	14677
Frequency (Hz)	49.77	49.82	49.63

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 18.02 Hrs	48.79 Hz at 22.07 Hrs	49.69	3.1 % 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 16/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.77	50.56	138	87	125
Unit 6	3.24	46.98	165	97	145
Unit 7	3.88	55.90	195	145	185
Total	9.89	153.44			455
Bhusawal					
Unit 2	3.96	58.47	180	155	170
Unit 3	4.31	61.82	185	170	170
Unit 4	2.40	42.37	111	91	
Unit 5	0.00	0.00	0	0	
Total	10.68	162.66			340
Parli					
Unit 3	4.58	72.40	203	172	200
Unit 4	3.75	58.08	183	115	164
Unit 5	3.84	64.10	178	129	165
Unit 6	5.21	60.54	253	160	161
Unit 7	3.84	46.97	245	0	34
Total	21.22	302.08			724
Chandrapur					
Unit 1	3.88	50.56	167	156	165
Unit 2	3.49	58.39	160	122	160
Unit 3	3.48	68.00	182	82	160
Unit 4	3.61	64.91	171	129	150
Unit 5	10.96	175.56	470	435	475
Unit 6	10.22	157.07	450	390	430
Unit 7	0.00	114.42	0	0	0
Total	35.63	688.92			1540
Paras					
Unit 3	6.14	82.88	260	250	250
Unit 4	0.00	0.59	0	0	0
Total	6.14	83.46			250
Khaparkheda					
Unit 1	3.90	64.04	175	120	180
Unit 2	3.94	67.57	181	147	180
Unit 3	4.52	71.29	196	183	180
Unit 4	4.81	71.79	215	189	180
Unit 5	4.69	78.97	263	0	200
Total	21.87	353.66			920
Nasik					
Unit 3	5.19	75.50	220	210	210
Unit 4	4.10	71.58	192	146	180
Unit 5	4.13	68.28	189	151	190
Total	13.42	215.36			580
Uran					
All Units	10.95	178.01	472	418	460
Total	10.95	178.01			460
PENCH (MS)					
Pench (MS)	0.13	2.35	24	0	
Total	0.13	2.35			
Koyna					
Stage 1-2	4.58	63.90	485	40	580
Stage 4	12.85	78.31	1110	0	250
Stage 3	3.15	30.75	280	0	320
Kovna 12&4 Total	17.43	142.21			830

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.58	172.95			1150
Hydro					
KDPH	0.20	10.69	18	0	18
VTRNA	1.12	15.21	61	0	60
TILLARI	0.10	1.06	55	0	0
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.23	3.04	81	0	80
RNGR+BHTSA	0.27	4.41	12	11	12
BHANDARDRA	0.44	8.87	19	18	20
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.59	8.94	30	21	10
GHATGHAR	0.00	15.62	0	0	0
Total	2.94	71.90			200
Wind					
MalharPeth	0.27	6.92			
Vankuswadi	0.42	10.75			
ATIT	0.08	1.94			
Kale	0.22	4.29			
Satara	0.24	12.42			
Shirala	0.18	3.60			
K Mahankal	1.17	8.36			
Supa	0.27	2.76			
Vita	0.72	15.12			
Dondaicha	7.78	95.96			
Sakri	0.98	10.72			
Nandurbar	0.72	8.94			
Khandke	0.88	8.91			
Khaparale	0.32	8.13			
Total	14.23	198.83			
CPP					
JSW JAIGAD	29.08	429.46	1226	1184	1090
WARDHA	10.05	137.78	442	387	391
Other CPPs	5.86	142.51			
Total	44.99	709.75			1481
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.64	174.52	504	386	500
Trombay 6	8.16	93.06	495	147	500
Trombay 7A	2.94	45.70	125	121	120
Trombay 7B	1.63	25.70	69	67	60
Trombay 8	5.50	93.93	235	223	250
TATA Hydro	4.75	62.84	419	0	447
Total	34.63	495.76			1877
REL					
1&2	12.50	200.91	523	517	500
Total	12.50	200.91			500
Cent Sect					
Share					5400
Total					5400

MS PG CL	Thermal	118.86	1959.59			4809
	Thml+Gas	129.81	2137.60			5269
	Hydro	23.52	244.85			1350
	Total	153.33	2382.45			6619
State Total		259.82	3990.04			15877

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4772	1186	458	6416	634	1876	5209	4906	-625	-545	13287	228	13515	2303	15818	49.56
2	4729	790	460	5979	632	1857	5094	4764	-504	-430	12802	276	13078	2092	15170	49.51
3	4729	669	460	5858	531	1864	5007	4787	-417	-376	12664	300	12964	1966	14930	49.63
4	4794	511	461	5766	546	1859	4958	4781	-368	-327	12625	308	12933	1881	14814	49.58
5	4855	439	469	5763	531	1859	4942	4705	-352	-342	12516	315	12831	1846	14677	49.63
6	4883	713	472	6068	581	1885	4918	4640	-358	-375	12799	437	13236	1871	15107	49.75
7	4971	259	470	5700	532	1895	4944	4820	-358	-334	12613	748	13361	1849	15210	49.82
8	5011	267	470	5748	404	1869	4960	4902	-363	-333	12590	747	13337	1953	15290	49.76
9	4984	960	460	6404	369	1863	4499	4492	-373	-357	12771	752	13523	2242	15765	49.94
10	5137	1732	465	7334	398	1850	4689	4650	-547	-510	13722	578	14300	2627	16927	49.87
11	5169	1993	451	7613	390	1885	4802	4639	-699	-717	13810	578	14388	2919	17307	49.81
12	5113	2014	457	7584	543	1890	4903	4520	-810	-779	13758	847	14605	2980	17585	49.77
13	5107	1830	454	7391	485	1886	4921	4546	-836	-773	13535	957	14492	2979	17471	49.75
14	5050	1489	459	6998	568	1888	4833	4506	-748	-688	13272	818	14090	2903	16993	49.74
15	5046	1502	454	7002	644	1885	4806	4781	-720	-714	13598	648	14246	2975	17221	49.68
16	4981	1645	423	7049	695	1886	4833	4542	-745	-671	13501	519	14020	2975	16995	49.71
17	4926	1485	418	6829	771	1878	4823	4676	-732	-689	13465	557	14022	2948	16970	49.82
18	5092	627	447	6166	852	1882	4731	4118	-634	-572	12446	524	12970	2865	15835	49.87
19	5066	203	458	5727	941	1858	5194	4065	-558	-560	12046	464	12510	2731	15241	49.89
20	5059	266	458	5783	760	1866	5390	5086	-622	-544	12974	639	13613	2752	16365	49.55
21	4957	267	458	5682	613	1872	5317	5185	-540	-438	12937	590	13527	2650	16177	49.71
22	4837	874	454	6165	601	1876	5359	4886	-569	-445	13107	360	13467	2510	15977	49.53
23	4777	774	456	6007	567	1882	5217	4994	-620	-455	13018	159	13177	2415	15592	49.26
24	4809	1025	462	6296	646	1880	5031	5133	-666	-501	13474	154	13628	2378	16006	49.45
MUs	118.85	23.52	10.95	153.33	14.23	44.99	119.38	113.12	-13.77	-12.48	313.33	12.50	325.83	59.61	385.44	49.69

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 16/May/2012

Position as on 6.30 Hrs of 17/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-1)	210	14/05/2012	00.15		Continued.	Annual Overhaul.	
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	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Chandrapur Unit 7	500	12/05/2012	13.50		Continued.	Boiler Tube Leakage	
Parli Unit 7	250	13/05/2012	02.27	16/05/2012	04.20	CHP Problem	
Cent_Sect NTPC(V) 9	500	15/05/2012	07.33		Continued.	Boiler Tube Leakage.	
Cent_Sect Sipat U-1	660	16/05/2012	00.00		Continued.	Maintenanace Work.	
Khaparkheda Unit 5	500	16/05/2012	21.27	17/05/2012	02.49	Electrical Protection Operated.	
Cent_Sect Sipat U-1	660	16/05/2012	22.12		Continued.	Turbine Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/May/2012

Position as on 6.30 Hrs of 17/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
765KV Seoni - Wardha - II	14/05/2012	10.12	16/05/2012	22.40	Line Crimping work
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		
Dhule-Sar'Sarovar - II	09/05/2012	22.20		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/05/2012	18.18		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni - Amona	16/05/2012	00.30	16/05/2012	07.54	Distance Protection,Decleared Faulty.
Halkarni - Amona	17/05/2012	00.45	17/05/2012	07.11	Distance Protection, Declared Faulty.
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
Bus Coupler @ New Koyna	15/05/2012	09.23		Continued.	C B Overhauling.
400/132KV,200MVA ICT-I at Khadka.	16/05/2012	08.00	16/05/2012	15.13	Pre Mansoon Maintenance Work.
400/220KV 167MVA Spare ICT at Kalwa	16/05/2012	11.09	16/05/2012	18.10	To Attend Oil Leakage.
Lonikand II-Parli II	16/05/2012	21.35	17/05/2012	01.36	400KV Parali-II Line Reactor Testing & Commissioning of Reactor.
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 strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Auxiliary Bus @ Babbleshwar	08/05/2012	09.20		Continued.	Conductor Replacement Work.
Main Bus- II @ Kharghar	12/05/2012	09.58		Continued.	Isolator alignment work
Main Bus- I @ New Paras TPS	14/05/2012	16.36	16/05/2012	10.32	Jack Bus Stringing Work for New 220KV Balapur - 1 & 2.
Pedambe - Mahad	14/05/2012	20.13		Continued.	Bus Isolator problem(Taken on TBC)
Aurangabad-Chitegaon-II	15/05/2012	11.06		Continued.	Breaker Overhaul.
Bale - Lamboti I	16/05/2012	07.01	16/05/2012	18.04	Replacement of Conductor.
Koradi-Ambazari-I	16/05/2012	07.15	16/05/2012	11.56	Protection Signal Wiring for RTU DC Scada in Relay Panel Measurment of Tan Delta of C T.
Kharepatan-Pawas	16/05/2012	08.33	16/05/2012	18.23	Cold Washing of Insulator.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/May/2012

Position as on 6.30 Hrs of 17/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dondaicha - Shahada	16/05/2012	08.35	16/05/2012	20.45	Conversion of SSN to DSN.
Apta-Nagothane	16/05/2012	09.32	16/05/2012	20.03	Bay Maintenance & Testing Work.
Apta-Uran-I	16/05/2012	10.27	16/05/2012	18.00	Bay Maintenance & Testing Work.
220/132KV 100 MVA ICT-I @Padegaon	16/05/2012	10.47	16/05/2012	21.23	Retrofitting of Diff. Relay.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Half Bus Section - II @ Amgaon	16/05/2012	09.10	16/05/2012	16.32	Maintainance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	15/05/2012	18.52	16/05/2012	09.29	Over Voltage.
Bhusawal- Aurangabad	16/05/2012	20.50		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Malinagar-Temburni	08/05/2012	11.21		Continued.	To Control Loading of 220 KV Padharpur- Lamboti Line.
Padgha - Temghar - II	14/05/2012	14.50		Continued.	To control Padgha ICT Loading
Padgha-Temghar I	15/05/2012	10.38		Continued.	To Control Padgha ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Aurangabad-I	12/05/2012	15.47		Continued.	PSB operated,Ready for Charging from 16.20 dt 12.05.2012
Jejuri-Koyna STG-IV	16/05/2012	03.29	16/05/2012	18.10	Distance Protection,Decleared Faulty.
Jejuri-Koyna STG-IV	16/05/2012	22.19		Continued.	Distance Protection,Declared Faulty.
Lonikand- Koyna Stage IV	16/05/2012	23.35		Continued.	Distance Protection,Declared Faulty.
Voltage Level : 220KV			Outage Type TRIPPED		
KDPH-Wankuswadi	15/05/2012	20.50	16/05/2012	12.05	Distance Protection.
Vankuswadi - MIDC Satara- II	15/05/2012	20.50	16/05/2012	12.26	Distance Protection.
Pophali - KDPH	16/05/2012	00.53	16/05/2012	12.15	Distance Protection,Decleared Faulty.
Koradi-Butibori	16/05/2012	12.17	16/05/2012	13.20	Distance Protection Operated Z-I Y-B Ph.
Apta-Bombay Dyeing	17/05/2012	02.02	17/05/2012	03.10	Distance Protection.
BombayDyeing - Sahara	17/05/2012	02.02	17/05/2012	05.38	Distance Protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Pal	11/05/2012	05.40		Continued.	100 KV Kalwa Creek bus outage,Tower at Loc.No.9 collapsed at 19.42 Hrs.
Pal-Taloja	11/05/2012	19.42		Continued.	Distance Protection,Tower at Loc.9 collapsed at 19.42 Hrs.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	95
Unit 7	210	135
	620	370
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	200
Unit 4	210	145
Unit 5	210	165
Unit 6	250	235
Unit 7	250	205
	1130	950
Chandrapur		
Unit 1	210	165
Unit 2	210	150
Unit 3	210	165
Unit 4	210	150
Unit 5	500	470
Unit 6	500	430
Unit 7	500	0
	2340	1530
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	200
	1340	920
Nasik		
Unit 3	210	210
Unit 4	210	190
Unit 5	210	190
	630	590
Uran		
All Units	852	460
	852	460
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	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	18
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	257
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	415
Other CPPs	0	
	1005	1500
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	5359
	3455	5359

	18400	7 of 7 16073
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