



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/May/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.308	2080.894	1) Gujrat	5.777	55.906
2) Hydro	16.525	261.379	2) Madhya Pradesh	18.269	308.790
3) Gas	11.069	189.081	3) Chattisgarh	10.560	187.210
Total MSGENCO	148.902	2531.354	4) Maharashtra	57.470	999.716
B) OTHERS			5) Goa	-7.359	-115.208
1) JSW JAIGAD	28.891	458.348	6) TAPS 1&2 Injection	7.719	131.523
2) WPCL	9.680	147.461	7) RGPPL Injection	23.880	360.417
3) Other CPP / IPP	5.709	148.221	8) Pench (Excess)	-0.092	-2.440
4) Wind Generation	13.781	212.608	# Total Cent. Sector	116.224	1925.914
5) PENCH (MS)	0.092	2.440	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.084	-224.646
1) TPCL Thermal	29.891	462.807	G) Bilateral Power *		
2) TPCL Hydro	4.995	67.835	1) MSEDCL Bilateral	37.604	644.768
TOTAL TPCL	34.886	530.642	Include PX	0.000	-3.548
3) REL Thermal	12.515	213.421	2) MUMBAI Bilateral	13.250	233.561
D) STATE			Include PX	2.142	42.121
1) Thermal (A1+C1+C3)	163.714	2757.122	3) MUMBAI Schedule	13.250	233.561
2) Hydro (A2+B5+C2)	21.612	331.654	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.069	189.081	1) MSEDCL	311.195	5201.700
4) Wind (B4)	13.781	212.608	2) TPCL	39.451	640.887
5) CPP (B1+B2+B3)	44.280	754.030	3) REL	20.033	327.780
TOTAL STATE	254.456	4244.495	TOTAL STATE	370.679	6170.367

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5159	5061	4963
MSGENCO Hydro	896	1294	460
MSGENCO Gas	452	458	468
MSGENCO Total Generation	6507	6813	5891
Central Sector Receipt	5382	4473	4559
WIND	427	706	686
CPP / IPP	1834	1843	1834
Exchange with Mumbai	-678	-605	-329
MSEDCL DEMAND MET	13472	13230	12641
Load Shedding	854	546	308
MSEDCL DEMAND	14326	13776	12949
TPCL GENERATION	1757	1810	1010
R-INFRA GENERATION	525	520	523
TPCL+R-INFRA DEMAND	2960	2935	1862
STATE DEMAND MET	16432	16165	14503
STATE DEMAND	17286	16711	14811
Frequency (Hz)	49.78	49.76	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 04.03 Hrs	49.06 Hz at 23.49 Hrs	49.78	.56 % 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 17/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.10	53.66	145	112	140
Unit 6	2.80	49.78	141	98	95
Unit 7	3.90	59.80	180	140	135
Total	9.80	163.25			370
Bhusawal					
Unit 2	4.00	62.47	185	150	170
Unit 3	4.28	66.10	185	170	170
Unit 4	1.89	44.26	118	0	
Unit 5	0.00	0.00	0	0	
Total	10.17	172.83			340
Parli					
Unit 3	4.78	77.17	206	192	200
Unit 4	3.70	61.77	186	120	145
Unit 5	3.94	68.04	172	152	165
Unit 6	5.79	66.33	255	224	235
Unit 7	5.41	52.38	249	200	205
Total	23.61	325.69			950
Chandrapur					
Unit 1	3.89	54.45	168	156	165
Unit 2	3.76	62.14	164	140	150
Unit 3	3.84	71.84	181	120	165
Unit 4	3.37	68.28	164	102	150
Unit 5	10.26	185.82	445	405	470
Unit 6	10.05	167.12	439	395	430
Unit 7	0.00	114.42	0	0	0
Total	35.16	724.08			1530
Paras					
Unit 3	6.01	88.88	261	220	250
Unit 4	0.00	0.59	0	0	0
Total	6.01	89.47			250
Khaparkheda					
Unit 1	4.06	68.10	185	140	180
Unit 2	4.21	71.78	190	150	180
Unit 3	4.25	75.54	195	157	180
Unit 4	4.78	76.57	213	186	180
Unit 5	5.29	84.25	280	0	200
Total	22.59	376.25			920
Nasik					
Unit 3	5.20	80.71	223	210	210
Unit 4	4.42	76.00	212	154	190
Unit 5	4.34	72.62	197	172	190
Total	13.97	229.33			590
Uran					
All Units	11.07	189.08	470	450	460
Total	11.07	189.08			460
PENCH (MS)					
Pench (MS)	0.09	2.44	25	0	
Total	0.09	2.44			
Koyna					
Stage 1-2	5.18	69.08	540	40	600
Stage 4	5.62	83.94	667	0	250
Stage 3	2.21	32.96	240	0	320
Kovna 12&4 Total	10.81	153.02			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.02	185.97			1170
Hydro					
KDPH	0.63	11.32	34	17	18
VTRNA	1.08	16.29	61	0	60
TILLARI	0.12	1.18	59	0	60
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.22	3.26	64	0	80
RNGR+BHTSA	0.26	4.68	11	10	11
BHANDARDRA	0.35	9.23	18	10	18
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.48	9.42	27	17	10
GHATGHAR	0.78	16.40	125	0	0
Total	3.93	75.83			257
Wind					
MalharPeth	0.40	7.32			
Vankuswadi	0.60	11.35			
ATIT	0.10	2.04			
Kale	0.23	4.52			
Satara	0.24	12.66			
Shirala	0.17	3.77			
K Mahankal	1.15	9.51			
Supa	0.32	3.08			
Vita	0.62	15.74			
Dondaicha	6.86	102.82			
Sakri	0.87	11.59			
Nandurbar	0.78	9.72			
Khandke	0.83	9.74			
Khaparale	0.62	8.76			
Total	13.78	212.61			
CPP					
JSW JAIGAD	28.89	458.35	1209	1174	1085
WARDHA	9.68	147.46	427	392	415
Other CPPs	5.71	148.22			
Total	44.28	754.03			1500
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.57	186.09	504	383	500
Trombay 6	8.24	101.30	457	155	500
Trombay 7A	2.94	48.64	126	120	120
Trombay 7B	1.63	27.33	69	67	60
Trombay 8	5.52	99.45	238	226	250
TATA Hydro	5.00	67.84	452	0	447
Total	34.89	530.64			1877
REL					
1&2	12.52	213.42	525	517	500
Total	12.52	213.42			500
Cent Sect					
Share					5359
Total					5359

MS PG CL	Thermal	121.31	2080.89			4950
	Thml+Gas	132.38	2269.98			5410
	Hydro	16.52	261.38			1427
	Total	148.90	2531.35			6837
State Total		254.46	4244.50			16073

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4830	978	467	6275	706	1841	4964	5009	-614	-525	13306	183	13489	2271	15760	49.66
2	4764	1019	467	6250	677	1836	4853	4751	-480	-425	13089	285	13374	2073	15447	49.77
3	4778	963	469	6210	760	1834	4765	4400	-388	-358	12846	303	13149	1941	15090	49.90
4	4963	460	468	5891	686	1834	4728	4559	-348	-329	12641	308	12949	1862	14811	50.12
5	5057	115	470	5642	695	1833	4697	4912	-315	-337	12745	314	13059	1821	14880	50.12
6	5085	518	470	6073	624	1859	4740	4970	-358	-350	13176	431	13607	1846	15453	49.77
7	5154	386	469	6009	590	1868	4841	4655	-347	-316	12806	723	13529	1842	15371	50.00
8	5166	323	467	5956	411	1853	4917	4696	-360	-333	12583	727	13310	1947	15257	49.81
9	5172	338	460	5970	492	1855	4718	4802	-373	-332	12787	734	13521	2245	15766	49.82
10	5220	552	453	6225	441	1849	4967	5270	-535	-512	13273	542	13815	2636	16451	49.74
11	5170	857	456	6483	327	1833	5251	5689	-698	-662	13670	561	14231	2922	17153	49.79
12	5159	896	452	6507	427	1834	5344	5382	-773	-678	13472	854	14326	2960	17286	49.78
13	5173	904	450	6527	448	1837	5384	5045	-777	-716	13141	973	14114	2958	17072	49.70
14	5088	874	451	6413	382	1834	5298	5081	-685	-704	13006	830	13836	2916	16752	49.80
15	5111	1003	456	6570	682	1836	5218	5091	-706	-676	13503	648	14151	2953	17104	49.67
16	5076	1310	451	6837	597	1838	5054	4978	-703	-618	13632	526	14158	2957	17115	49.68
17	5061	1294	458	6813	706	1843	4815	4473	-659	-605	13230	546	13776	2935	16711	49.76
18	5020	665	460	6145	798	1826	4886	4336	-600	-587	12518	513	13031	2863	15894	49.84
19	4984	280	462	5726	941	1806	5062	3878	-537	-538	11813	478	12291	2711	15002	49.87
20	4936	299	460	5695	579	1841	5264	5010	-620	-577	12548	667	13215	2780	15995	49.73
21	5038	409	461	5908	490	1869	5212	4746	-527	-376	12662	697	13359	2639	15998	49.69
22	5066	492	464	6022	477	1858	5231	4464	-552	-439	12405	673	13078	2520	15598	49.74
23	5107	712	464	6283	460	1873	5186	5062	-621	-512	13190	289	13479	2467	15946	49.54
24	5124	1298	464	6886	385	1890	5105	4943	-675	-579	13545	219	13764	2420	16184	49.52
MUs	121.30	16.94	11.07	149.32	13.78	44.28	120.50	116.20	-13.25	-12.08	311.59	13.02	324.61	59.48	384.10	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 17/May/2012

Position as on 6.30 Hrs of 18/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	18/05/2012	02.24	Boiler Tube Leakage	
Cent_Sect NTPC(V) 9	500	15/05/2012	07.33	17/05/2012	13.43	Boiler Tube Leakage.	
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	17/05/2012	05.14	Turbine Problem.	
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.	
Bhusawal Unit 4	500	17/05/2012	16.43		Continued.	Class A protection operated.	
Cent_Sect Sipat-4	500	18/05/2012	05.20		Continued.	Steam leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2012

Position as on 6.30 Hrs of 18/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		
Dhule-Sar'Sarovar - II	09/05/2012	22.20	17/05/2012	10.14	Over Voltage.
Kolhapur - Mapusa - I	16/05/2012	18.18	17/05/2012	08.57	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
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	17/05/2012	22.36	C B Overhauling.
Lonikand II-Parli II	16/05/2012	21.35	17/05/2012	01.36	400KV Parali-II Line Reactor Testing & Commissioning of Reactor.
400/220 KV 315 MVA ICT-II @ Dhule	17/05/2012	08.15	17/05/2012	18.18	Stringing work.
400/132KV 200 MVA ICT-II @ Bhusawal	17/05/2012	08.24	17/05/2012	16.37	Pre monsoon maintenance work.
Karad-Jaigad I	17/05/2012	12.33	17/05/2012	15.43	Cold line insulator washing.
Lonikand II-Parli II	17/05/2012	15.56	17/05/2012	21.49	400KV Parali-II line reactor testing and commissioning of reactor.
Karad-Jaigad II	17/05/2012	16.28	17/05/2012	19.16	Cold line insulator washing.
Koradi-Akola	18/05/2012	06.05		Continued.	LILO arrangement work.
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
Kharghar-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
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.
Aurangabad-Chitegaon-II	15/05/2012	11.06	17/05/2012	14.56	Breaker Overhaul.
Pophali - Kandalgaon	17/05/2012	07.40	17/05/2012	21.10	Providing anti corrosive paint to cross arm of tower Loc.No.95 to 104.
220/132 KV 200 MVA T/F - II @ Theur	17/05/2012	09.00	17/05/2012	17.20	Half yearly maintenance.
Pawas-Kharepatan	17/05/2012	09.05	17/05/2012	16.42	Cold line washing of insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2012

Position as on 6.30 Hrs of 18/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	16/05/2012	20.50	17/05/2012	08.49	Over Voltage.
Bhusawal- Aurangabad	17/05/2012	18.07	18/05/2012	06.15	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	14/05/2012	14.50		Continued.	To control Padgha ICT Loading
Padgha-Temghar I	15/05/2012	10.38	17/05/2012	20.27	To Control Padgha ICT Loading.
Kalwa-Temghar	17/05/2012	21.25	17/05/2012	23.15	To control loading of Bus section.
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	22.19	17/05/2012	15.34	Distance Protection,Declared Faulty.
Lonikand- Koyna Stage IV	16/05/2012	23.35	17/05/2012	12.25	Distance Protection,Declared Faulty.
New Koyna - Jaigad - II	18/05/2012	04.29		Continued.	Distance Protection,B-Ph. to Earth.
Voltage Level : 220KV			Outage Type TRIPPED		
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.
Wardha - Yawatmal	17/05/2012	09.25	17/05/2012	12.08	Distance protection operated Z-1
Aurangabad - Padegaon - II	17/05/2012	18.45	17/05/2012	20.49	Dis.Prot.operated Z-1 Y and B ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon-Pishor	17/05/2012	18.45	17/05/2012	20.49	Load trimming operated to control Padegaon-Aurangabad line loading.
Sawangi-Kagzipura	17/05/2012	18.45	17/05/2012	21.08	Load trimming operated to control 220KV Aurangabad -Padegaon line loading.
Voltage Level : 100KV			Outage Type TRIPPED		
Pal-Taloja	11/05/2012	19.42	17/05/2012	14.45	Distance Protection,Tower at Loc.9 collapsed at !9.42 Hrs.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	130
Unit 7	210	160
	620	420
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	340
Parli		
Unit 3	210	198
Unit 4	210	173
Unit 5	210	163
Unit 6	250	250
Unit 7	250	222
	1130	1006
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	170
Unit 4	210	150
Unit 5	500	420
Unit 6	500	430
Unit 7	500	400
	2340	1895
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	250
	1340	990
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	180
	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	240
	1920	1090
Hydro		
KDPH	40	36
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	10
BHANDARDRA	45	17
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	273
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	1070
WARDHA	405	400
Other CPPs	0	
	1005	1470
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	5285
	3455	5285

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