



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/May/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/May/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.020	1975.291	1) Madhya Pradesh	59.961	1031.285
2) Hydro	31.671	304.908	2) Gujrat	28.513	497.501
3) Gas	15.125	260.383	3) Goa	-7.175	-115.677
Total MSGENCO	149.816	2540.582	4) TAPS 1&2 (Inj.)	7.880	126.119
B) OTHERS			5) Pench (Excess)	-0.139	-2.441
1) RGPPL Gas	39.859	607.524	# Total Cent. Sector	89.040	1536.787
2) Wind Generation	7.224	188.925	F) Other Exchanges		
3) CPP	11.835	380.532	1) With TPCL (Excess)	-11.116	-189.766
4) PENCH (MS)	0.139	2.625	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	13.181	234.488
1) TPCL Thermal	27.700	467.852	Include PX	0.000	0.000
2) TPCL Hydro	4.768	57.879	2) MUMBAI Bilateral	11.643	207.070
TOTAL TPCL	32.468	525.731	Include PX	-0.881	-9.989
3) REL Thermal	12.514	212.393	3) MUMBAI Schedule	11.643	207.070
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	143.234	2655.536	1) MSEDCL	286.797	5067.209
2) Hydro (A2+B3+C2)	36.578	365.412	2) TPCL	36.727	611.605
3) Gas (A3+B1)	54.984	867.907	3) REL	19.368	316.243
4) Wind (B2)	7.224	188.925	TOTAL STATE	342.892	5995.057
5) CPP (B3)	11.835	380.532			
TOTAL STATE	253.855	4458.312			

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	4110	4314	4403
MSGENCO Hydro	2045	1419	1028
MSGENCO Gas	609	634	647
MSGENCO Total Generation	6764	6367	6078
Central Sector Receipt	4270	3574	3524
RGPPL	1624	1820	1633
WIND	70	574	243
CPP	532	406	545
Exchange with Mumbai	-552	-583	-174
MSEDCL DEMAND MET	12708	12158	11849
Load Shedding (LS)	1479	935	357
MSEDCL DEMAND (INCL. LS)	14187	13093	12206
TPCL GENERATION	1648	1509	1075
REL GENERATION	522	521	522
TPCL+REL DEMAND	2722	2613	1771
STATE DEMAND MET	15430	14771	13620
Load Management (LM)	2199	3534	1486
Total Load Relief (LS+LM)	3678	4469	1843
UNRESTRICTED STATE DEMAND	19108	19240	15463
Frequency (Hz)	49.55	49.67	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 18:03 Hrs	49.08 Hz at 12:13 Hrs	49.68	1.37 % 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/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.11	68.52	186	159	180
Unit 6	4.16	73.58	191	151	170
Unit 7	4.30	73.47	190	155	180
	12.57	215.57			530
Bhusawal					
Unit 2	3.46	47.48	150	135	145
Unit 3	4.27	66.24	190	155	185
Unit 4	0.00	0.00	0	0	0
	7.72	113.72			330
Parli					
Unit 3	2.62	59.17	152	74	120
Unit 4	3.00	52.31	158	95	155
Unit 5	0.00	43.46	0	0	0
Unit 6	3.44	66.25	210	54	170
Unit 7	3.67	75.17	229	65	135
	12.72	296.35			580
Chandrapur					
Unit 1	3.50	58.16	156	130	140
Unit 2	3.43	43.35	156	128	120
Unit 3	2.82	69.34	191	43	70
Unit 4	2.95	66.21	178	80	70
Unit 5	8.37	151.01	440	250	430
Unit 6	8.40	146.19	419	265	425
Unit 7	7.66	156.61	420	283	280
	37.14	690.87			1535
Paras					
Unit 3	4.77	68.83	212	167	200
Unit 4	0.92	74.81	230	0	0
	5.68	143.64			200
Khaparkheda					
Unit 1	3.90	73.24	195	0	190
Unit 2	4.51	75.83	198	179	190
Unit 3	0.00	0.00	0	0	0
Unit 4	5.31	87.62	223	220	210
Unit 5	0.00	0.00	0	0	0
	13.71	236.68			590
Nasik					
Unit 1	1.98	31.82	88	72	90
Unit 2	0.00	30.60	0	0	0
Unit 3	3.35	73.12	185	120	190
Unit 4	4.36	70.92	200	162	200
Unit 5	3.78	72.01	193	132	200
	13.47	278.46			680
Uran					
All Units	15.12	260.38	650	601	620
	15.12	260.38			620
Dabhol					
RGPPL	39.86	607.52	1829	1595	1560
	39.86	607.52			1560
Koyna					
Stage 1-2	6.79	76.38	580	40	600
Stage 4	16.25	126.08	1114	0	250
Stage 3	5.72	44.37	240	236	240
	28.76	246.82			1090
Kovna 12&4 Total	23.04	202.46			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.20	6.53	19	0	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.30	3.81	13	12	13
BHIRA T.R.	0.23	2.81	77	0	80
RNGR+BHTSA	0.29	5.40	13	12	14
BHANDARDRA	0.57	12.70	24	23	26
ELDARY	0.47	4.84	20	18	20
SMLHY PTN	0.85	14.61	43	32	10
GHATGHAR	0.00	7.38	0	0	0
	2.91	58.08			181
PENCH (MS)					
Pench (MS)	0.14	2.62	26	0	0
	0.14	2.62			0
Wind					
MalharPeth	0.23	4.14			
Vankuswadi	0.63	10.67			
ATIT	0.10	2.16			
Kale	0.25	4.02			
Satara	0.97	8.39			
Shirala	0.26	4.19			
K Mahankal	0.04	5.77			
Supa	0.09	2.21			
Vita	0.86	16.04			
Dondaicha	2.17	85.86			
Sakri	0.46	13.92			
Nandurbar	0.44	11.25			
Khandke	0.40	10.53			
Khaparale	0.35	9.77			
	7.22	188.92			
CPP					
JSW JAIGAD	0.00	170.32	0	0	0
WARDHA	6.83	129.76	334	218	330
Other CPPs	5.01	80.14			
	11.84	380.23			330
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	195.78	490	490	500
Trombay 6	6.11	102.43	350	150	500
Trombay 7A	2.79	48.79	120	96	120
Trombay 7B	1.55	26.86	66	57	60
Trombay 8	5.49	94.00	250	150	250
TATA Hydro	4.77	57.88	428	0	447
	32.47	525.73			1877
REL					
1&2	12.51	212.39	524	520	500
	12.51	212.39			500
Cent Sect					
Share					3237
					3237

MS PG CL	Thermal	103.02	1975.29		4445
	Thml+Gas	118.14	2235.67		5065
	Hydro	31.67	304.91		1271
	Total	149.82	2540.58		6336
State Total		253.86	4458.31		13840

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/May/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	4355	1854	642	6851	1614	178	546	2945	3606	-564	-511	12310	2090	12310	2176	16576	49.50
2	4292	1337	644	6273	1620	198	540	2774	3756	-391	-371	12042	2019	12096	1968	16029	49.60
3	4329	1225	647	6201	1626	260	545	2639	3584	-260	-244	11986	1668	12260	1840	15494	49.72
4	4403	1028	647	6078	1633	243	545	2602	3524	-224	-174	11849	1843	12206	1771	15463	49.85
5	4257	1381	650	6288	1630	290	539	2602	3180	-209	-159	11768	2008	12141	1756	15532	49.73
6	4283	1894	645	6822	1635	265	517	2602	3285	-189	-157	12367	2433	12957	1791	16591	49.68
7	4394	546	640	5580	1641	151	470	3024	3725	-337	-286	11281	3488	12759	1770	16539	49.89
8	4420	415	640	5475	1640	106	469	3035	3862	-337	-336	11216	3602	12808	1842	16660	49.88
9	4305	500	634	5439	1632	108	522	3029	4183	-387	-333	11551	3626	13167	2075	17252	49.77
10	4379	1128	627	6134	1632	79	488	3251	4212	-427	-417	12128	3583	13641	2399	18110	49.78
11	4176	1928	608	6712	1621	78	495	3464	3893	-570	-516	12283	3899	13933	2633	18815	49.55
12	4110	2045	609	6764	1624	70	532	3448	4270	-613	-552	12708	3678	14187	2722	19108	49.55
13	4070	1998	601	6669	1616	68	545	3451	3975	-619	-595	12278	4183	14258	2764	19225	49.57
14	4122	2022	608	6752	1621	126	532	3430	3870	-592	-567	12334	3918	14049	2717	18969	49.68
15	4149	2021	608	6778	1595	196	504	3325	3180	-597	-631	11622	4410	13927	2784	18816	49.51
16	4226	1733	609	6568	1621	273	524	3235	3535	-604	-577	11944	4330	14227	2797	19071	49.56
17	4164	1081	627	5872	1635	325	469	3269	4325	-577	-567	12059	4365	14433	2771	19195	49.51
18	4184	559	629	5372	1719	529	453	3188	3934	-496	-497	11510	4052	13284	2708	18270	49.86
19	4152	462	633	5247	1740	584	416	3108	3773	-483	-453	11307	4533	12601	2577	18417	49.83
20	4314	1419	634	6367	1820	574	406	3262	3574	-543	-583	12158	4469	13093	2613	19240	49.67
21	4324	1523	637	6484	1731	579	435	3288	3793	-611	-593	12434	4131	13052	2521	19086	49.67
22	4380	1624	640	6644	1829	651	440	3304	3278	-642	-621	12240	3799	12533	2450	18489	49.75
23	4659	938	636	6233	1751	716	444	3346	3290	-680	-690	11768	3615	11885	2338	17721	49.66
24	4573	1010	630	6213	1633	577	459	3356	3433	-691	-686	11654	3097	11654	2315	17066	49.58
MUs	103.0 2	31.67	15.12	149.82	39.86	7.22	11.84	74.98	89.04	-11.64	-11.12	286.80	82.84	313.46	56.10	425.73	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 17/May/2011

Position as on 6.30 Hrs of 18/May/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	15/03/2011	02.37	17/05/2011	11.30	Upgradation Work.	
Khaparkheda Unit 3	210	25/04/2011	02.51		Continued.	Annual overhaul.	25/05/2011
Cent_Sect NTPC (V-1)	210	07/05/2011	00.46		Continued.	A/OH	19/06/2011
Cent_Sect NTPC(K-5)	500	10/05/2011	00.00		Continued.	Annual Overhaul	03/06/2011
CPP JSW (J) U1	300	12/05/2011	00.24		Continued.	Annual Overhaul.	27/05/2011
Koyna Unit 10	80	13/05/2011	00.00		Continued.	Annual Overhaul	25/05/2011
FORCED OUTAGE							
Cent_Sect NTPC(K-7)	500	11/05/2011	01.15		Continued.	Fire in GT	21/05/2011
Parli Unit 5	210	13/05/2011	23.43	18/05/2011	05.55	H P Heater Tube Leakage.	
Khaparkheda Unit 1	210	16/05/2011	11.56	17/05/2011	01.24	Main steam line leakage.	
Nasik Unit 2	125	16/05/2011	12.05		Continued.	Boiler tube leakage.	18/05/2011
CPP JSW (J) U2	300	16/05/2011	19.40		Continued.	Tripping of new koyna Jaigad lines I and II.	17/05/2011
Paras Unit 4	250	17/05/2011	04.50		Continued.	Performance guarantee test for 10 days .	18/05/2011
Dabhol 1B	230	17/05/2011	11.42	17/05/2011	12.57	Tripped	
Koyna ST - IV 4	250	17/05/2011	19.36	17/05/2011	21.47	Turbine Guide Bearing Temperature High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2011

Position as on 6.30 Hrs of 18/May/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	15/05/2011	00.01	17/05/2011	17.55	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	17/05/2011	17.23		Continued.	Trip command received from Thyristor monitoring relay
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Kharghar	17/05/2011	08.27	17/05/2011	22.13	Premansoon Maint.work
Newkoyna - Jaigad - I	17/05/2011	15.06		Continued.	Isolator work by JSW
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Kharghar-Nerul	06/05/2011	09.32		Continued.	Dismantling and erection of towers(upto 04.06.2011)
Padgha - Kalwa	10/05/2011	09.30		Continued.	System strenghtening work.
Temghar-Colourchem	10/05/2011	10.30		Continued.	Bunching of arrangement.
220/6.6 KV,40 MVA Stn.T/F-III at Khaparkheda	10/05/2011	16.16		Continued.	Overhauling Work.
Talangade-Mumewadi-II	17/05/2011	09.08	17/05/2011	18.22	Replacement of Old H/W by New
Kandalgaon-Lonand	17/05/2011	10.07	17/05/2011	18.15	Premansoon maint.work
Babaleshwar - Ranjangaon	17/05/2011	10.12	17/05/2011	15.40	Charged from Ranjangaon end
Vankuswadi - MIDC Satara- II	17/05/2011	11.30		Continued.	Replacement of L.A.
Apta-Kalwa	17/05/2011	12.26	17/05/2011	16.05	Distance protection
Borivali-Mulund	17/05/2011	12.28		Continued.	Cable Termination work of 220KV Bhandup GIS
NewKoyna - Pawas	17/05/2011	15.56	17/05/2011	18.00	Insulator washing work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 105MVA Spare ICT @ Parly-II	22/04/2011	13.50		Continued.	To remove trip coil assembly for bus coupler.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Aurangabad-Shendra	17/05/2011	10.36	17/05/2011	12.51	To attend Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	15/05/2011	18.36	17/05/2011	11.02	Over Voltage.
Bhusawal- Aurangabad	17/05/2011	20.56		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Khaperkheda - Wardha.	02/05/2011	19.15		Continued.	To control Koradi ICT loading.
Wardha-Abhijeet II	05/05/2011	16.51		Continued.	To Control Koradi ICT Load.
Aurangabad - Babaleshwar	07/05/2011	07.32		Continued.	To control A'bad ICT loading.
Babaleshwar - Bhenda	12/05/2011	11.35		Continued.	To control BBLSR ICT Load
Chandrapur-Warora - I	14/05/2011	18.16		Continued.	To Control 220KV Warora-Hinganghat ckt Loading
Bale-Murud	15/05/2011	08.32	17/05/2011	08.50	To control Parli ICT loading.
Bale-Usmanabad	15/05/2011	08.32	17/05/2011	08.50	To control Parli ICT loading
Abhijeet-Wardha-I	16/05/2011	11.38		Continued.	To control Koradi ICT loading.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2011

Position as on 6.30 Hrs of 18/May/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE I -CHDPR	16/05/2011	11.46	17/05/2011	13.20	Attending sparking on R ph.isolator.Ckt on TBC-II.
Voltage Level : 400KV			Outage Type TRIPPED		
Nagothane-Dabhol-I	16/05/2011	19.47	17/05/2011	13.16	Distance protection.
Newkoyna - Jaigad - I	16/05/2011	20.15	17/05/2011	00.36	Distance protection.
New Koyna-Jaigad II	16/05/2011	20.57	17/05/2011	00.40	Distance protection.
Newkoyna - Jaigad - I	17/05/2011	01.10	17/05/2011	08.31	Distance protection.
New Koyna - Jaigad - II	17/05/2011	02.04	17/05/2011	02.57	Distance protection.
New Koyna - Jaigad - II	17/05/2011	03.15	17/05/2011	12.09	Distance protection
Dabhol - Nagothane - I	17/05/2011	19.15	17/05/2011	21.33	Distance Protection
New Koyna - Jaigad - II	17/05/2011	20.31	17/05/2011	22.27	Distance Protection
Dabhol - Nagothane - I	17/05/2011	21.39		Continued.	Distance Protection,(declared fauly)
New Koyna - Jaigad - II	17/05/2011	22.53		Continued.	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced(Kept on Humming at 16.30Hrs on 18/4/11)
Gangapur-Valve	13/05/2011	12.34		Continued.	Tower Bent @ Loc. No.10C,7,8,9,10,11.
Pawas-Kharepatan	16/05/2011	21.45	17/05/2011	15.13	Distance protection.
New Koyna - Pawas	17/05/2011	01.07	17/05/2011	01.45	Distance protection.
Kalwa I-Taloja	17/05/2011	12.31	17/05/2011	20.12	Distance Protection
Chinchwad - Parvati	17/05/2011	12.31	17/05/2011	12.40	Distance Protection
220/22KV,50MVA T/F-I at Taloja	17/05/2011	12.35	17/05/2011	18.45	Differential Protection
Badnera - Akola - I	17/05/2011	17.29	17/05/2011	17.49	Distance Protection
New Parly - Beed - I	17/05/2011	21.38	17/05/2011	22.35	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Renapur	17/05/2011	17.03	18/05/2011	00.38	Distance Protection
Khapri - Besa	17/05/2011	22.35	17/05/2011	23.25	Distance Protection
Hingna-Khapri II	17/05/2011	22.45	17/05/2011	23.05	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/May/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	190
Unit 7	210	185
	620	535
Bhusawal		
Unit 2	210	145
Unit 3	210	195
Unit 4	0	
	420	340
Parli		
Unit 3	210	135
Unit 4	210	100
Unit 5	210	0
Unit 6	250	85
Unit 7	250	100
	1130	420
Chandrapur		
Unit 1	210	165
Unit 2	210	140
Unit 3	210	200
Unit 4	210	180
Unit 5	500	425
Unit 6	500	430
Unit 7	500	400
	2340	1940
Paras		
Unit 3	250	210
Unit 4	250	0
	500	210
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	0
Unit 4	210	210
Unit 5	0	
	840	630
Nasik		
Unit 1	120	100
Unit 2	120	0
Unit 3	210	200
Unit 4	210	190
Unit 5	210	170
	870	660
Uran		
All Units	852	620
	852	620
Dabhol		
RGPP	1940	1560
	1940	1560
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	18

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	12
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	24
ELDARY	23	20
SMLHY PTN	12	10
GHATGHAR	250	0
	611	177
PENCH (MS)		
Pench (MS)	53	
	53	
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	275
WARDHA	405	330
Other CPPs	0	
	1005	605
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	3509
	3455	3509