



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/May/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.344	1274.128	1) Gujrat	0.716	9.483
2) Hydro	12.303	127.406	2) Madhya Pradesh	14.932	171.550
3) Gas	11.107	111.576	3) Chattisgarh	11.260	108.450
Total MSGENCO	150.754	1513.110	4) Maharashtra	58.807	593.953
B) OTHERS			5) Goa	-6.992	-66.180
1) JSW JAIGAD	26.696	269.311	6) TAPS 1&2 Injection	7.711	77.346
2) WPCL	10.408	94.141	7) RGPPL Injection	19.499	212.311
3) Other CPP / IPP	9.186	94.890	8) Pench (Excess)	-0.075	-1.413
4) Wind Generation	13.837	130.264	# Total Cent. Sector	105.858	1105.500
5) PENCH (MS)	0.075	1.413	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.394	-135.675
1) TPCL Thermal	27.551	267.504	G) Bilateral Power *		
2) TPCL Hydro	4.016	38.846	1) MSEDCL Bilateral	35.199	382.630
TOTAL TPCL	31.567	306.350	Include PX	-0.595	-1.063
3) REL Thermal	12.571	125.701	2) MUMBAI Bilateral	15.257	139.099
D) STATE			Include PX	2.428	22.418
1) Thermal (A1+C1+C3)	167.466	1667.333	3) MUMBAI Schedule	15.257	139.099
2) Hydro (A2+B5+C2)	16.394	167.665	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.107	111.576	1) MSEDCL	301.420	3072.954
4) Wind (B4)	13.837	130.264	2) TPCL	39.245	375.864
5) CPP (B1+B2+B3)	46.290	458.342	3) REL	20.286	191.832
TOTAL STATE	255.094	2535.180	TOTAL STATE	360.951	3640.650

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	5241	5160	5360
MSGENCO Hydro	1245	234	157
MSGENCO Gas	458	459	465
MSGENCO Total Generation	6944	5853	5982
Central Sector Receipt	4806	4358	4237
WIND	567	969	570
CPP / IPP	1941	1938	1943
Exchange with Mumbai	-865	-809	-293
MSEDCL DEMAND MET	13393	12309	12439
Load Shedding	737	263	241
MSEDCL DEMAND	14130	12572	12680
TPCL GENERATION	1537	1580	1047
R-INFRA GENERATION	523	523	525
TPCL+R-INFRA DEMAND	2925	2912	1865
STATE DEMAND MET	16318	15221	14304
STATE DEMAND	17055	15484	14545
Frequency (Hz)	49.72	49.80	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 18.03 Hrs	49.15 Hz at 22.38 Hrs	49.78	.23 % 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 10/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.94	31.58	137	110	110
Unit 6	2.80	28.34	148	94	105
Unit 7	3.09	34.11	155	95	120
Total	8.84	94.02			335
Bhusawal					
Unit 2	3.86	37.44	175	145	175
Unit 3	4.10	39.99	180	155	170
Unit 4	3.13	31.48	167	111	
Unit 5	0.00	0.00	0	0	
Total	11.10	108.92			345
Parli					
Unit 3	4.20	45.01	200	155	180
Unit 4	3.64	36.94	172	129	155
Unit 5	3.73	40.81	180	129	175
Unit 6	5.58	39.53	247	213	220
Unit 7	4.71	34.30	214	164	200
Total	21.87	196.59			930
Chandrapur					
Unit 1	2.35	35.41	169	0	165
Unit 2	3.88	36.93	171	141	165
Unit 3	4.34	44.16	187	172	190
Unit 4	4.01	42.20	190	144	150
Unit 5	10.98	109.20	470	440	475
Unit 6	9.89	100.93	440	380	425
Unit 7	9.08	99.04	430	320	400
Total	44.53	467.87			1970
Paras					
Unit 3	6.00	46.64	260	215	250
Unit 4	0.00	0.59	0	0	0
Total	6.00	47.22			250
Khaparkheda					
Unit 1	4.12	42.20	185	145	180
Unit 2	4.13	42.46	186	127	180
Unit 3	4.61	44.14	200	182	180
Unit 4	4.58	43.87	196	182	180
Unit 5	3.71	55.28	206	134	150
Total	21.14	227.96			870
Nasik					
Unit 3	5.16	44.46	220	200	210
Unit 4	4.31	44.84	199	158	165
Unit 5	4.39	42.25	193	163	190
Total	13.86	131.54			565
Uran					
All Units	11.11	111.58	471	455	460
Total	11.11	111.58			460
PENCH (MS)					
Pench (MS)	0.08	1.41	25	0	
Total	0.08	1.41			
Koyna					
Stage 1-2	3.08	35.20	385	40	520
Stage 4	2.61	31.47	543	0	250
Stage 3	1.40	14.41	182	0	320
Kovna 12&4 Total	5.69	66.67			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.09	81.09			1090
Hydro					
KDPH	0.84	7.02	35	34	36
VTRNA	1.21	8.60	61	0	0
TILLARI	0.06	0.71	60	0	60
BHTGR/VEER	0.06	2.27	3	2	8
BHIRA T.R.	0.26	1.89	70	0	80
RNGR+BHTSA	0.26	2.76	11	7	12
BHANDARDRA	0.65	4.94	28	27	28
ELDARY	0.08	1.74	8	0	10
SMLHY PTN	0.70	5.99	36	26	10
GHATGHAR	1.10	10.39	250	0	0
Total	5.21	46.32			244
Wind					
MalharPeth	0.29	5.06			
Vankuswadi	0.45	8.15			
ATIT	0.05	1.17			
Kale	0.22	3.09			
Satara	0.14	9.26			
Shirala	0.14	2.57			
K Mahankal	0.85	5.58			
Supa	0.20	1.66			
Vita	0.48	11.36			
Dondaicha	8.29	59.88			
Sakri	0.84	6.28			
Nandurbar	0.76	5.96			
Khandke	0.51	4.78			
Khaparale	0.63	5.47			
Total	13.84	130.26			
CPP					
JSW JAIGAD	26.70	269.31	1121	1101	1002
WARDHA	10.41	94.14	443	385	440
Other CPPs	9.19	94.89			
Total	46.29	458.34			1442
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.60	107.43	504	362	500
Trombay 6	5.38	56.72	350	157	500
Trombay 7A	2.96	28.17	126	120	120
Trombay 7B	1.64	15.95	69	67	60
Trombay 8	5.96	59.24	252	238	250
TATA Hydro	4.02	38.85	379	0	447
Total	31.57	306.35			1877
REL					
1&2	12.57	125.70	526	521	500
Total	12.57	125.70			500
Cent Sect					
Share					5072
Total					5072

MS PG CL	Thermal	127.34	1274.13			5265
	Thml+Gas	138.45	1385.70			5725
	Hydro	12.30	127.41			1334
	Total	150.75	1513.11			7059
State Total		255.09	2535.18			15950

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	5353	634	465	6452	644	1932	4741	4211	-672	-514	12733	185	12918	2293	15211	49.68
2	5383	405	468	6256	683	1934	4642	4145	-549	-394	12624	219	12843	2078	14921	49.57
3	5405	287	469	6161	570	1935	4596	4098	-469	-343	12421	235	12656	1956	14612	49.62
4	5360	157	465	5982	570	1943	4549	4237	-398	-293	12439	241	12680	1865	14545	49.83
5	5375	310	468	6153	592	1934	4537	4191	-357	-281	12589	247	12836	1816	14652	49.69
6	5396	592	471	6459	611	1938	4633	4394	-451	-386	13016	377	13393	1872	15265	49.82
7	5415	425	456	6296	600	1939	4633	4166	-429	-328	12673	637	13310	1863	15173	49.91
8	5408	410	455	6273	516	1888	4693	4235	-433	-325	12587	626	13213	1956	15169	49.83
9	5523	397	465	6385	611	1889	4722	4294	-481	-478	12701	621	13322	2241	15563	49.83
10	5491	674	463	6628	581	1887	4791	4776	-564	-707	13165	472	13637	2628	16265	49.85
11	5381	1215	462	7058	588	1928	4891	4817	-727	-871	13520	491	14011	2896	16907	49.79
12	5241	1245	458	6944	567	1941	5043	4806	-904	-865	13393	737	14130	2925	17055	49.72
13	5369	1107	458	6934	543	1934	4990	4804	-857	-802	13413	802	14215	2928	17143	49.76
14	5326	833	456	6615	537	1937	4937	4744	-803	-809	13024	671	13695	2912	16607	49.68
15	5286	778	456	6520	408	1929	5003	4884	-855	-839	12902	506	13408	2914	16322	49.66
16	5226	706	459	6391	621	1935	4992	4584	-864	-805	12726	362	13088	2913	16001	49.70
17	5160	234	459	5853	969	1938	4974	4358	-831	-809	12309	263	12572	2912	15484	49.80
18	5085	209	461	5755	584	1926	4469	3604	-658	-762	11107	35	11142	2901	14043	49.99
19	5213	223	464	5900	717	1924	4481	3607	-557	-819	11329	31	11360	2723	14083	50.15
20	5270	270	464	6004	723	1928	5069	4513	-639	-833	12338	62	12400	2748	15148	50.04
21	5253	261	468	5982	349	1934	5061	4919	-626	-868	12341	91	12432	2661	15093	49.92
22	5205	228	468	5901	458	1933	5096	4383	-651	-797	11885	159	12044	2564	14608	49.81
23	5170	288	466	5924	411	1939	5036	4585	-721	-717	12149	65	12214	2509	14723	49.48
24	5050	415	463	5928	384	1945	4950	4499	-759	-749	12032	63	12095	2458	14553	49.57
MUs	127.34	12.30	11.11	150.75	13.84	46.29	115.53	105.85	-15.26	-15.39	301.42	8.20	309.61	59.53	369.15	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 10/May/2012

Position as on 6.30 Hrs of 11/May/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(V-4)	210	25/04/2012	00.07		Continued.	Annual Overhaul.	
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	30/05/2012
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 GT1A	106	26/04/2012	18:13		Continued.	Less requisition.	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Dabhol 3B	230	04/05/2012	11.18		Continued.	Gas shortage.	
Chandrapur Unit 1	210	10/05/2012	14.55		Continued.	Econamiser Tube Leakage.	
Khaparkheda Unit 1	210	11/05/2012	03.30		Continued.	Air Heater Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/May/2012

Position as on 6.30 Hrs of 11/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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.
Dhule-Sar'Sarovar - II	10/05/2012	08.35		Continued.	Over Voltage.
Kolhapur - Mapusa - I	10/05/2012	18.49		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	07/05/2012	18.08		Continued.	Tripped on over voltage.
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
New Koyna - Karad - I	07/05/2012	14.49	10/05/2012	15.51	Line taken on TBC at NEW Koyna end for breaker over hauling.
400/220KV,315 MVA ICT-I At Lonikand.	10/05/2012	07.14	10/05/2012	18.29	C B Timing & CRM.
Jejuri-Koyna STG-IV	10/05/2012	09.00	10/05/2012	09.36	Q.M.Work.
TBC @ Chandrapur	10/05/2012	09.55		Continued.	To Attend Y Ph. Gas Leakage.
400/220KV 315MVA ICT-II @ New Koyna	10/05/2012	16.39		Continued.	Taken on TBC for Main Breaker Overhauling.
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
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 @ Babhleshwar	08/05/2012	09.20		Continued.	Conductor Replacement Work.
Chalishaon - Bhusawal- II	10/05/2012	08.37	10/05/2012	16.30	Tan Delta Measurment.
Apta-Bombay Dyeing	10/05/2012	09.18	10/05/2012	18.20	Bay Maint.& Trip Coil Testing Work.
Chinchwad - Hinjewadi	10/05/2012	10.29	10/05/2012	17.24	Half Yearly Maintenance.
Karad-Pophali	10/05/2012	10.37	10/05/2012	17.00	Erection of Inline & Making Cutpoint for 220KV Panama Line.
Vita-Mhaisal	10/05/2012	11.45	10/05/2012	17.45	Attending Closing Problem of C B.
SPCL - IPCL	10/05/2012	15.06	10/05/2012	18.48	Replacement of B Ph. C T @ IPCL.
Trombay-Mulund	11/05/2012	06.02		Continued.	Attending Hot Spot on R & B Ph.C T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	04/05/2012	20.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/05/2012	17.30	10/05/2012	06.14	Over Voltage.
Bhusawal- Aurangabad	10/05/2012	17.11		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/May/2012

Position as on 6.30 Hrs of 11/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Malinagar-Temburni	08/05/2012	11.21		Continued.	To Control Loading of 220 KV Padharpur- Lamboti Line.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,315MVA ICT-I at Karad	10/05/2012	14.25	10/05/2012	15.59	NDR.
400/220KV,500 MVA ICT-III At A'bad.	10/05/2012	16.50	10/05/2012	20.25	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Chalisgaon-BSL-I	10/05/2012	14.58		Continued.	Distance Protection B Ph Z-I.
Amalner-Deepnagar	10/05/2012	17.25	10/05/2012	18.05	Distance Protection,Z-I,R Ph.
Ghatghar - Washala	10/05/2012	19.20	11/05/2012	03.37	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Dhule-Dondaicha	10/05/2012	17.55	10/05/2012	18.28	Distance Protection,Z-I,Y Ph.
Kanned-Chalisgaon	10/05/2012	21.55	10/05/2012	22.15	FTR.
Padegaon-Pishor	10/05/2012	22.05	11/05/2012	05.38	Distance Protection,R Y B Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	125
Unit 7	210	145
	620	395
Bhusawal		
Unit 2	210	175
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	345
Parli		
Unit 3	210	185
Unit 4	210	140
Unit 5	210	175
Unit 6	250	220
Unit 7	250	200
	1130	920
Chandrapur		
Unit 1	210	0
Unit 2	210	146
Unit 3	210	170
Unit 4	210	170
Unit 5	500	414
Unit 6	500	386
Unit 7	500	395
	2340	1681
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	200
Unit 4	210	200
Unit 5	500	250
	1340	840
Nasik		
Unit 3	210	210
Unit 4	210	160
Unit 5	210	180
	630	550
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	26
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	172
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	1017
WARDHA	405	450
Other CPPs	0	
	1005	1467
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	5287
	3455	5287

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