



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/May/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.272	1732.213	1) Gujrat	6.613	35.084
2) Hydro	24.938	188.799	2) Madhya Pradesh	22.155	247.519
3) Gas	11.050	156.019	3) Chattisgarh	11.390	154.120
Total MSGENCO	150.260	2077.031	4) Maharashtra	61.915	838.240
B) OTHERS			5) Goa	-6.547	-92.951
1) JSW JAIGAD	25.156	373.554	6) TAPS 1&2 Injection	7.715	108.348
2) WPCL	0.327	119.496	7) RGPPL Injection	19.444	289.747
3) Other CPP / IPP	7.838	128.561	8) Pench (Excess)	-0.182	-2.090
4) Wind Generation	11.367	174.825	# Total Cent. Sector	122.503	1578.017
5) PENCH (MS)	0.182	2.090	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.608	-185.904
1) TPCL Thermal	29.599	374.725	G) Bilateral Power *		
2) TPCL Hydro	4.899	52.996	1) MSEDCL Bilateral	35.020	532.895
TOTAL TPCL	34.498	427.721	Include PX	-0.799	-3.244
3) REL Thermal	12.522	175.893	2) MUMBAI Bilateral	13.484	192.128
D) STATE			Include PX	6.672	34.298
1) Thermal (A1+C1+C3)	156.393	2282.831	3) MUMBAI Schedule	13.484	192.128
2) Hydro (A2+B5+C2)	30.019	243.885	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.050	156.019	1) MSEDCL	306.025	4267.670
4) Wind (B4)	11.367	174.825	2) TPCL	38.926	522.090
5) CPP (B1+B2+B3)	33.321	621.611	3) REL	19.701	267.390
TOTAL STATE	242.150	3479.171	TOTAL STATE	364.652	5057.150

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4844	4685	4777
MSGENCO Hydro	1717	1720	282
MSGENCO Gas	455	453	470
MSGENCO Total Generation	7016	6858	5529
Central Sector Receipt	5458	5235	4980
WIND	382	572	469
CPP / IPP	1380	1443	1290
Exchange with Mumbai	-597	-700	-304
MSEDCL DEMAND MET	13639	13408	11964
Load Shedding	465	245	264
MSEDCL DEMAND	14104	13653	12228
TPCL GENERATION	1752	1736	977
R-INFRA GENERATION	523	518	523
TPCL+R-INFRA DEMAND	2872	2954	1804
STATE DEMAND MET	16511	16362	13768
STATE DEMAND	16976	16607	14032
Frequency (Hz)	49.72	49.70	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 06.05 Hrs	48.9 Hz at 23.12 Hrs	49.72	3.01 % 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 14/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.36	44.54	154	126	135
Unit 6	3.32	40.47	161	116	130
Unit 7	4.08	48.12	190	160	155
Total	10.75	133.13			420
Bhusawal					
Unit 2	3.83	50.58	170	150	160
Unit 3	4.13	53.26	180	160	160
Unit 4	2.41	37.63	225	0	0
Unit 5	0.00	0.00	0	0	0
Total	10.37	141.48			320
Parli					
Unit 3	4.52	63.26	206	166	190
Unit 4	3.60	52.08	169	103	165
Unit 5	4.06	56.32	180	160	165
Unit 6	2.07	54.62	173	0	150
Unit 7	0.00	43.13	0	0	0
Total	14.26	269.41			670
Chandrapur					
Unit 1	3.83	42.93	169	151	170
Unit 2	3.11	51.29	137	122	135
Unit 3	4.15	60.90	189	124	175
Unit 4	3.55	57.86	177	126	150
Unit 5	11.20	153.52	475	455	470
Unit 6	8.56	139.14	440	305	425
Unit 7	0.00	114.42	0	0	0
Total	34.41	620.06			1525
Paras					
Unit 3	6.07	70.89	258	242	250
Unit 4	0.00	0.59	0	0	0
Total	6.07	71.48			250
Khaparkheda					
Unit 1	4.44	55.85	210	165	180
Unit 2	4.32	59.52	190	164	180
Unit 3	4.50	62.21	205	180	180
Unit 4	4.68	62.36	222	185	180
Unit 5	6.39	68.80	402	117	250
Total	24.33	308.75			970
Nasik					
Unit 3	5.11	65.14	220	205	210
Unit 4	4.52	63.00	200	159	200
Unit 5	4.45	59.78	195	171	190
Total	14.08	187.90			600
Uran					
All Units	11.05	156.02	473	447	460
Total	11.05	156.02			460
PENCH (MS)					
Pench (MS)	0.18	2.09	25	0	
Total	0.18	2.09			
Koyna					
Stage 1-2	5.66	52.14	565	40	535
Stage 4	10.83	48.49	1087	0	250
Stage 3	3.87	22.03	318	0	320
Kovna 12&4 Total	16.49	100.63			785

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.36	122.66			1105
Hydro					
KDPH	0.71	10.10	35	18	35
VTRNA	1.12	12.94	61	0	60
TILLARI	0.06	0.96	58	0	46
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.15	2.58	63	0	80
RNGR+BHTSA	0.29	3.88	12	12	12
BHANDARDRA	0.50	7.93	21	21	47
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.32	8.08	21	10	8
GHATGHAR	1.44	15.62	240	0	0
Total	4.58	66.14			288
Wind					
MalharPeth	0.35	6.24			
Vankuswadi	0.40	9.93			
ATIT	0.24	1.61			
Kale	0.19	3.95			
Satara	0.32	11.69			
Shirala	0.21	3.19			
K Mahankal	0.18	6.74			
Supa	0.16	2.23			
Vita	0.47	13.68			
Dondaicha	5.98	83.84			
Sakri	0.77	9.26			
Nandurbar	0.65	7.80			
Khandke	0.89	7.18			
Khaparale	0.54	7.47			
Total	11.37	174.82			
CPP					
JSW JAIGAD	25.16	373.55	1114	813	1007
WARDHA	0.33	119.50	104	0	0
Other CPPs	7.84	128.56			
Total	33.32	621.61			1007
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.54	151.69	504	376	500
Trombay 6	7.59	77.76	450	156	500
Trombay 7A	2.93	39.84	125	119	120
Trombay 7B	1.63	22.45	69	66	60
Trombay 8	5.92	82.99	250	231	250
TATA Hydro	4.90	53.00	411	0	447
Total	34.50	427.72			1877
REL					
1&2	12.52	175.89	524	518	500
Total	12.52	175.89			500
Cent Sect					
Share					5528
Total					5528

MS PG CL	Thermal	114.27	1732.21			4755
	Thml+Gas	125.32	1888.23			5215
	Hydro	24.94	188.80			1393
	Total	150.26	2077.03			6608
State Total		242.15	3479.17			15520

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4742	1130	470	6342	475	1135	5300	5429	-580	-469	12937	199	13136	2154	15290	49.87
2	4697	837	470	6004	483	1147	5215	5163	-489	-383	12439	243	12682	1989	14671	49.89
3	4785	582	470	5837	499	1221	5123	5057	-397	-344	12272	255	12527	1882	14409	49.82
4	4777	282	470	5529	469	1290	5077	4980	-353	-304	11964	264	12228	1804	14032	49.85
5	4819	205	470	5494	550	1341	5040	5098	-321	-279	12204	273	12477	1774	14251	49.82
6	4798	437	473	5708	613	1376	5013	4925	-294	-284	12338	421	12759	1796	14555	49.87
7	4779	276	473	5528	611	1374	5021	4689	-274	-165	12037	713	12750	1800	14550	49.98
8	4874	183	468	5525	570	1372	5015	4784	-273	-162	12089	669	12758	1920	14678	49.89
9	4828	213	462	5503	716	1370	5062	4843	-337	-251	12181	670	12851	2214	15065	49.81
10	4808	1037	461	6306	481	1357	5285	5312	-553	-466	12990	451	13441	2609	16050	49.75
11	4844	1717	455	7016	382	1380	5439	5458	-715	-597	13639	465	14104	2872	16976	49.72
12	4978	1738	452	7168	211	1385	5519	5215	-817	-665	13324	690	14014	2952	16966	49.83
13	5066	1476	451	6993	160	1416	5557	5385	-862	-715	13243	747	13990	2950	16940	49.81
14	4991	1455	448	6894	225	1421	5519	5296	-824	-737	13099	618	13717	2926	16643	49.74
15	4878	1778	449	7105	376	1439	5459	5331	-745	-674	13577	477	14054	2948	17002	49.69
16	4668	1857	447	6972	416	1426	5469	5454	-761	-632	13636	386	14022	2946	16968	49.69
17	4685	1720	453	6858	572	1443	5472	5235	-754	-700	13408	245	13653	2954	16607	49.70
18	4680	1220	458	6358	567	1441	5073	4805	-651	-719	12452	9	12461	2860	15321	49.79
19	4760	927	462	6149	672	1432	4747	4527	-529	-700	12080	12	12092	2679	14771	49.65
20	4768	984	462	6214	547	1446	5547	5152	-629	-525	12856	166	13022	2706	15728	49.48
21	4743	816	462	6021	601	1481	5469	5140	-527	-433	12834	460	13294	2619	15913	49.64
22	4615	627	449	5691	448	1533	5471	5041	-561	-454	12282	441	12723	2516	15239	49.45
23	4409	1506	458	6373	375	1539	5407	5049	-610	-503	12856	169	13025	2428	15453	49.37
24	4280	1935	457	6672	348	1556	5354	5135	-629	-447	13288	130	13418	2330	15748	49.25
MUs	114.27	24.94	11.05	150.26	11.37	33.32	126.65	122.50	-13.48	-11.61	306.02	9.17	315.20	58.63	373.83	49.72

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 14/May/2012

Position as on 6.30 Hrs of 15/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
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	
Dabhol 3B	230	04/05/2012	11.18		Continued.	Gas shortage.	
Chandrapur Unit 7	500	12/05/2012	13.50		Continued.	Boiler Tube Leakage	
Bhusawal Unit 4	500	12/05/2012	14.40	14/05/2012	02.22	B Phase LA of G.T.Burst	
Parli Unit 7	250	13/05/2012	02.27		Continued.	CHP Problem	
CPP WPCL U-1	135	13/05/2012	08.58	15/05/2012	05.49	Bus sectionaliser R phase C.T.Burst at Warora S/Stn.	
CPP WPCL U-3	135	13/05/2012	08.58	14/05/2012	19.22	Bus sectionaliser R phase C.T.Burst at Warora S/Stn.	
CPP WPCL U-4	135	13/05/2012	08.58	15/05/2012	01.39	Bus sectionaliser R phase C.T.Burst at Warora S/Stn.	
CPP WPCL U-2	135	13/05/2012	08.58	15/05/2012	03.19	Bus sectionaliser R phase C.T.Burst at Warora S/Stn.	
CPP JSW (J) U3	300	13/05/2012	18.55	14/05/2012	01.52	Generator Protection	
Bhusawal Unit 4	500	14/05/2012	03.01	14/05/2012	07.25	Low Drum Level	
Koyna Unit 4	75	14/05/2012	09.40	14/05/2012	16.50	P.M.Work	
Parli Unit 6	250	14/05/2012	15.44		Continued.	Bunker Level Empty	
Bhusawal Unit 4	500	14/05/2012	21.40	15/05/2012	01.37	Class A Generator Protection	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2012

Position as on 6.30 Hrs of 15/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		Continued.	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	12/05/2012	17.13	14/05/2012	10.51	Over Voltage
Kolhapur - Mapusa - II	14/05/2012	21.43		Continued.	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
Karad-Jaigad II	14/05/2012	09.14	14/05/2012	13.26	Cold Washing of Insulator
New Koyna - Jaigad - II	14/05/2012	14.33	14/05/2012	18.57	Cold Washing 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
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.
Main Bus- II @ Kharghar	12/05/2012	09.58		Continued.	Isolator alignment work
Pedambe - Mahad	14/05/2012	08.30	14/05/2012	19.58	Tower no.96 to 101 Anti corrosive testing
Khaparkheda New - Khaparkheda Old - II	14/05/2012	08.39	14/05/2012	16.05	Breaker Timings and Tan Delta
Apta-HOC	14/05/2012	09.18	14/05/2012	19.30	Bay Maint.work
Talandage-Insuli	14/05/2012	09.27	14/05/2012	17.20	Bay Maint.work
Dondaicha - Shahada	14/05/2012	10.10	14/05/2012	22.25	Conversion of SSN to DSN and STN to DTN
Main Bus- I @ New Paras TPS	14/05/2012	16.36		Continued.	Jack Bus Stringing work for New 220KV Balapur Ckt.I&II
Pedambe - Mahad	14/05/2012	20.13		Continued.	Bus Isolator problem(Taken on TBC)
Kalwa - Salshet - IV	15/05/2012	00.45	15/05/2012	03.57	Connecting CT to 29D Isolator Jumper
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	13/05/2012	17.35	14/05/2012	08.44	Over Voltage
Karad-Kolhapur-II	13/05/2012	17.48	14/05/2012	07.17	Over Voltage
Bhusawal- Aurangabad	14/05/2012	19.41		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/May/2012

Position as on 6.30 Hrs of 15/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	14/05/2012	10.10	To Control Padgha ICT.
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
Abhijeet-Wardha-I	14/05/2012	15.59	14/05/2012	16.15	To control Koradi ICT Load
Abhijeet - Wardha ckt - II	14/05/2012	15.59	14/05/2012	16.15	To control Koradi ICT Load
Voltage Level : 400KV			Outage Type TRIPPED		
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/05/2012	14.40	14/05/2012	02.22	B Phase L.A.Burst
Deepnagar-Aurangabad-I	12/05/2012	15.47		Continued.	PSB operated,Ready for Charging from 16.20 dt 12.05.2012
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Pedambe	13/05/2012	02.50	14/05/2012	12.04	Distance Protection(Declared faulty)
Warora - Wardha Power - II	13/05/2012	08.58	14/05/2012	10.05	R Phase B/C CT Burst
Wardha Power - Warora-I	13/05/2012	08.58	14/05/2012	11.22	R Phase B/C CT Burst
Vankuswade-Malharpeth	14/05/2012	10.55	14/05/2012	18.20	Distance Protection
Khaparkheda New - Khaparkheda Old - I	14/05/2012	15.44	14/05/2012	16.09	Tripped on Over Current
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara - Ambhora - I	14/05/2012	17.12	14/05/2012	17.28	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 !9.42 Hrs.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	130
Unit 7	210	155
	620	425
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	190
Unit 4	210	85
Unit 5	210	172
Unit 6	250	0
Unit 7	250	0
	1130	447
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	150
Unit 5	500	460
Unit 6	500	325
Unit 7	500	0
	2340	1415
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	250
	1340	970
Nasik		
Unit 3	210	210
Unit 4	210	192
Unit 5	210	184
	630	586
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	580
Stage 4	1000	250
Stage 3	320	320
	1920	1150
Hydro		
KDPH	40	35
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	63
RNGR+BHTSA	20	12
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	
	611	260
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	1007
WARDHA	405	410
Other CPPs	0	
	1005	1417
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	5173
	3455	5173