



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/May/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.964	3112.130	1) Gujrat	8.647	326.649
2) Hydro	9.812	360.601	2) Madhya Pradesh	17.482	497.134
3) Gas	10.811	236.238	3) Chattisgarh	9.870	246.860
Total MSGENCO	133.587	3708.969	4) Maharashtra	64.808	1736.651
B) 1) JSW JAIGAD	26.000	718.511	5) Goa	-5.875	-167.693
2) WPCL	7.726	209.397	6) TAPS 1&2 Injection	3.766	103.312
3) ADANI	14.540	299.930	7) RGPPL Injection	13.316	353.816
4) Other CPP / IPP	12.013	303.764	8) Pench (Excess)	-0.298	-4.849
5) Wind Generation	28.334	458.164	# Total Cent. Sector	111.716	3091.880
6) PENCH (MS)	0.298	4.849	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.902	-434.542
1) TPCL Thermal	25.604	721.673	G) Bilateral Power *		
2) TPCL Hydro	4.632	105.107	1) MSEDCL Bilateral	36.941	961.481
TOTAL TPCL	30.236	826.780	Include PX	0.000	50.068
3) REL Thermal	11.171	318.931	2) MUMBAI Bilateral	17.798	440.819
D) STATE			Include PX	3.832	102.493
1) Thermal (A1+C1+C3)	149.739	4152.734	3) MUMBAI Schedule	17.798	442.461
2) Hydro (A2+B5+C2)	14.742	470.557	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.811	236.238	1) MSEDCL	312.312	8360.922
4) Wind (B4)	28.334	458.164	2) TPCL	41.278	1022.243
5) CPP (B1+B2+B3)	60.279	1246.212	3) REL	22.029	557.971
TOTAL STATE	263.905	6563.905	TOTAL STATE	375.619	9941.136

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	4719	4701	4620
MSGENCO Hydro	871	803	97
MSGENCO Gas	449	459	441
MSGENCO Total Generation	6039	5963	5158
Central Sector Receipt	4985	4505	4398
WIND	872	1342	1156
CPP / IPP	2714	2641	2408
Exchange with Mumbai	-956	-1018	-750
MSEDCL DEMAND MET	13654	13459	12370
Load Shedding	56	59	56
MSEDCL DEMAND	13710	13518	12426
TPCL GENERATION	1664	1612	891
R-INFRA GENERATION	522	523	400
TPCL+R-INFRA DEMAND	3142	3153	2041
STATE DEMAND MET	16796	16612	14411
STATE DEMAND	16852	16671	14467
Frequency (Hz)	50.03	50.09	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 08.00 Hrs	49.75 Hz at 14.06 Hrs	50.08	0 % 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 27/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.18	74.46	150	115	137
Unit 6	0.00	70.51	0	0	0
Unit 7	3.24	95.94	170	70	128
Total	6.42	240.92			265
Bhusawal					
Unit 2	3.83	75.46	165	150	160
Unit 3	3.92	98.90	170	155	160
Unit 4	7.97	220.95	410	290	430
Unit 5	4.78	53.66	250	140	
Total	20.50	448.98			750
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.57	100.77	155	140	165
Unit 2	3.82	97.25	164	150	165
Unit 3	4.69	124.86	200	183	200
Unit 4	3.64	111.74	167	132	180
Unit 5	10.49	274.30	445	425	450
Unit 6	9.72	263.54	429	380	425
Unit 7	8.08	201.81	373	310	400
Total	44.01	1174.27			1985
Paras					
Unit 3	5.90	150.98	260	231	250
Unit 4	5.82	149.18	260	199	250
Total	11.72	300.16			500
Khaparkheda					
Unit 1	3.07	86.67	150	105	125
Unit 2	0.00	85.72	0	0	0
Unit 3	3.36	97.92	155	129	125
Unit 4	3.29	101.87	160	126	125
Unit 5	8.35	231.81	394	318	350
Total	18.08	604.00			725
Nasik					
Unit 3	4.11	114.92	195	165	190
Unit 4	4.02	110.63	176	160	180
Unit 5	4.12	118.25	202	161	190
Total	12.25	343.80			560
Uran					
All Units	10.81	236.24	470	402	370
Total	10.81	236.24			370
PENCH (MS)					
Pench (MS)	0.30	4.85	26	0	
Total	0.30	4.85			
Koyna					
Stage 1-2	2.42	102.37	340	35	520
Stage 4	1.92	120.60	421	0	250
Stage 3	0.78	49.40	164	0	240
Kovna 12&4 Total	4.33	222.97			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.11	272.37			1010
Hydro					
KDPH	0.74	19.43	31	31	30
VTRNA	0.58	13.47	61	0	0
TILLARI	0.35	9.38	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.12	5.56	44	0	80
RNGR+BHTSA	0.25	7.26	11	10	10
BHANDARDRA	0.10	3.45	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.39	12.51	17	16	0
GHATGHAR	2.17	16.82	250	0	0
Total	4.70	88.23			180
Wind					
MalharPeth	0.97	14.91			
Vankuswadi	1.93	23.54			
ATIT	0.24	8.18			
Kale	0.66	10.12			
Satara	6.46	55.20			
Shirala	0.53	9.87			
K Mahankal	0.10	14.50			
Supa	0.30	4.28			
Vita	2.65	37.98			
Dondaicha	9.79	192.11			
Sakri	1.30	24.89			
Nandurbar	1.02	20.85			
Khandke	1.08	19.72			
Khaparale	1.30	22.01			
Total	28.33	458.16			
CPP					
JSW JAIGAD	26.00	718.51	1154	830	1091
WARDHA	7.73	209.40	343	318	320
Adani	14.54	299.93	610	600	610
Other CPPs	12.01	303.76			226
Total	60.28	1531.60			2247
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.94	310.00	503	336	500
Trombay 6	4.42	134.27	307	147	500
Trombay 7A	2.93	76.61	124	120	120
Trombay 7B	1.61	42.67	68	66	60
Trombay 8	5.70	158.13	253	155	250
TATA Hydro	4.63	105.11	471	0	447
Total	30.24	826.78			1877
REL					
1&2	11.17	318.93	524	399	500
Total	11.17	318.93			500
Cent Sect					
Share					4760
Total					4760

MS PG CL	Thermal	112.96	3112.13			4785
	Thml+Gas	123.78	3348.37			5155
	Hydro	9.81	360.60			1190
	Total	133.59	3708.97			6345
State Total		263.90	6563.90			15729

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/May/2013

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	4865	112	402	5379	1561	2429	4702	4951	-921	-1042	13304	87	13391	2438	15829	50.02
2	4710	102	412	5224	1549	2408	4495	4495	-734	-890	12812	56	12868	2284	15152	50.01
3	4608	97	412	5117	1388	2401	4337	4427	-591	-809	12549	56	12605	2142	14747	50.05
4	4620	97	441	5158	1156	2408	4088	4398	-510	-750	12370	56	12426	2041	14467	50.04
5	4677	117	449	5243	1204	2406	4085	4246	-507	-659	12440	56	12496	1994	14490	50.06
6	4649	127	455	5231	1138	2406	4098	4367	-507	-659	12483	56	12539	1993	14532	50.14
7	4712	143	455	5310	1011	2407	4045	4451	-505	-638	12541	56	12597	1961	14558	50.20
8	4744	227	466	5437	988	2426	4047	4471	-502	-719	12603	56	12659	2067	14726	50.29
9	4669	250	460	5379	1052	2454	4271	4928	-666	-754	13059	56	13115	2343	15458	50.19
10	4648	427	441	5516	1195	2605	4537	5029	-778	-910	13435	56	13491	2742	16233	50.12
11	4635	842	434	5911	842	2650	4674	5137	-850	-1007	13533	56	13589	3054	16643	50.02
12	4719	871	449	6039	872	2714	4738	4985	-915	-956	13654	56	13710	3142	16852	50.03
13	4700	774	449	5923	838	2707	4769	5069	-935	-963	13574	115	13689	3185	16874	50.03
14	4684	522	453	5659	972	2680	4734	5130	-900	-962	13505	59	13564	3120	16684	50.13
15	4786	871	455	6112	936	2687	4632	4931	-915	-995	13697	59	13756	3179	16935	49.94
16	4781	1162	458	6401	1231	2666	4410	4639	-934	-1021	13941	59	14000	3192	17192	50.07
17	4701	803	459	5963	1342	2641	4451	4505	-893	-1018	13459	59	13518	3153	16671	50.09
18	4689	484	463	5636	1331	2575	3841	3953	-606	-1167	12338	59	12397	3005	15402	50.13
19	4768	199	466	5433	1470	2479	3811	3959	-582	-1213	12138	59	12197	2794	14991	50.13
20	4752	490	462	5704	1254	2541	4242	4336	-686	-1063	12798	59	12857	2807	15664	50.01
21	4725	351	470	5546	1327	2526	4663	4674	-782	-835	13264	59	13323	2722	16045	50.08
22	4758	159	467	5384	1335	2485	4726	4460	-778	-924	12750	59	12809	2653	15462	50.14
23	4697	187	466	5350	1195	2331	4648	4971	-862	-914	12943	59	13002	2627	15629	49.98
24	4667	398	467	5532	1147	2247	4586	5201	-938	-1034	13119	59	13178	2671	15849	50.02
MUs	112.96	9.81	10.81	133.59	28.33	60.28	105.63	111.71	-17.80	-21.90	312.31	1.47	313.78	63.31	377.08	50.08

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 27/May/2013

Position as on 6.30 Hrs of 28/May/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Dabhol 2X	290	11/05/2013	04.28		Continued.	Gas Shortage	
Dabhol 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	
CPP WPCL U-3	135	11/05/2013	11.25		Continued.	Maintenance Problem.	
Dabhol 1A	230	23/05/2013	12.58		Continued.	Gas Shortage	
Dabhol 1B	230	23/05/2013	12.58		Continued.	Gas Shortage	
Dabhol 1X	290	23/05/2013	12.58		Continued.	Gas Shortage	
Koyna Unit 8	80	23/05/2013	15.30		Continued.	Bearing temp.high.	12/05/2013
Koradi Unit 6	210	24/05/2013	12.57		Continued.	Boiler tube leakage.	
CPP Adani U-3	660	25/05/2013	01:18		Continued.	Turbine overspeed testing	
Khaparkheda Unit 2	210	26/05/2013	05.58		Continued.	CHP Belt Broken	
Uran Unit A0	120	27/05/2013	09.47	27/05/2013	10.47	Turbine tripped.	
CPP JSW (J) U1	300	27/05/2013	22.52		Continued.	CWP leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/May/2013

Position as on 6.30 Hrs of 28/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	27/05/2013	10.36	27/05/2013	10.56	To take line reactor in service at Akola.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	23/05/2013	16.35	27/05/2013	11.43	Over Voltage
Kolhapur-Solapur (PG) II	24/05/2013	06.52		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	25/05/2013	02.54	27/05/2013	10.27	Over Voltage.
Seoni-Wardha-II 765KV.	27/05/2013	13.00		Continued.	Over Voltage.
Kolhapur-Mapusa-II	27/05/2013	17.01		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	27/05/2013	18.10		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Parli - I	27/05/2013	09.05	27/05/2013	15.25	Fixing of earth wire.
Karad-New Koyna II	27/05/2013	09.28		Continued.	Replacement of B ph.LA.Ready for charging at 19.10 HRS.
400/220KV 315MVA ICT-II @ Aurangabad.	27/05/2013	12.00		Continued.	Taken on TBC for main CB Overhauling for 3 days.
400/220 KV 315 MVA ICT-II @ Dhule	27/05/2013	14.34	27/05/2013	18.26	To attend red hot on 29C isolator R ph.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-III @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.Outage for 8 days.
Waluj-Jalna I	27/05/2013	07.41	27/05/2013	17.23	Overhead stringing work of newly constructed LILO of Bsl-A'bad line at new 400KV Thapti Tanda S/s.
Waluj-Jalna-II	27/05/2013	07.42	27/05/2013	17.24	Overhead stringing work of newly constructed LILO of Bsl-A'bad line at new 400KV Thapti Tanda S/s.
Lote - N.Koyna	27/05/2013	07.55	27/05/2013	16.09	Bus outage at Lote.
Lote- Dasturi	27/05/2013	08.30	27/05/2013	19.05	Bus outage at Lote.
Main Bus @ Lote	27/05/2013	08.45	27/05/2013	19.05	Half yearly maintenance work.
Chandrapur - Rly TSS - II	27/05/2013	08.50	27/05/2013	17.54	Overhead crossing work of 400KV D/C C'pur-II 400KV switching line on daily basis.
220/132 KV 150 MVA ICT-II @ Akola.	27/05/2013	09.50	27/05/2013	12.50	Premansoon maintenance work.
220/132 KV 100 MVA T/F - I @ Satara	27/05/2013	10.40		Continued.	Oil filtration work.
220/100KV 200MVA ICT-I at Taloja	27/05/2013	14.10	27/05/2013	17.01	Paper wrapping.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal- Aurangabad	23/05/2013	17.54	27/05/2013	10.20	Over Voltage
Deepnagar-Aurangabad-II	23/05/2013	19.25		Continued.	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/May/2013

Position as on 6.30 Hrs of 28/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	27/05/2013	11.54		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57	27/05/2013	07.36	To Control Over Loading of 220KV Paras-Chikhali.
Chikhali - Jalna - II	27/05/2013	17.23		Continued.	To avoid over loading by taking line in grid.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Khadka - Deepnagar - II	22/05/2013	22.49		Continued.	Bus bar protection operated due to R ph.CT bursting of GT-5 bay.(B ph.Bkr pole of Khadka Ckt.II burst.)
New Koyna - Dabhol - I	26/05/2013	01.07		Continued.	Distance Protection
Dabhol - Nagothane - I	27/05/2013	04.54	27/05/2013	16.16	Distance Protection.
Karad-Jaigad I	27/05/2013	05.38	27/05/2013	07.19	Distance Protection.
Padgha - Nagothane- II	28/05/2013	03.54		Continued.	Distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection(4 Nos of Tower Collapsed)
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection(Ckt Under Breakdown)
220/66 KV 50 MVA ICT- II @ Pused	21/05/2013	20.10		Continued.	Diff Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	118
Unit 6	210	0
Unit 7	210	120
	620	238
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	269
Unit 5	500	
	1420	589
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	175
Unit 5	500	450
Unit 6	500	400
Unit 7	500	300
	2340	1855
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	150
Unit 4	210	150
Unit 5	500	350
	1340	790
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	470
	852	470
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	30
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	14
ELDARY	23	
SMLHY PTN	12	20
GHATGHAR	250	
	611	235
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	1200	850
WARDHA	405	320
Adani	1320	617
Other CPPs	300	219
	3225	2006
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	4975
	3455	4975