



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/May/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.574	446.982	1) Gujrat	13.711	50.599
2) Hydro	7.735	28.169	2) Madhya Pradesh	19.562	76.444
3) Gas	10.694	41.694	3) Chattisgarh	9.260	35.570
Total MSGENCO	134.003	516.845	4) Maharashtra	61.956	242.216
B) 1) JSW JAIGAD	27.911	94.450	5) Goa	-6.660	-25.385
2) WPCL	7.858	31.434	6) TAPS 1&2 Injection	3.928	15.398
3) ADANI	14.570	57.820	7) RGPPL Injection	14.171	96.940
4) Other CPP / IPP	8.479	32.627	8) Pench (Excess)	-0.169	-0.576
5) Wind Generation	16.162	50.943	# Total Cent. Sector	115.759	491.206
6) PENCH (MS)	0.169	0.576	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.136	-72.770
1) TPCL Thermal	26.008	101.453	G) Bilateral Power *		
2) TPCL Hydro	4.066	13.945	1) MSEDCL Bilateral	35.795	139.915
TOTAL TPCL	30.074	115.398	Include PX	0.000	2.265
3) REL Thermal	12.437	48.544	2) MUMBAI Bilateral	15.064	66.525
D) STATE			Include PX	4.786	26.408
1) Thermal (A1+C1+C3)	154.019	596.979	3) MUMBAI Schedule	15.064	66.525
2) Hydro (A2+B5+C2)	11.970	42.690	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.694	41.694	1) MSEDCL	308.775	1203.131
4) Wind (B4)	16.162	50.943	2) TPCL	37.858	153.184
5) CPP (B1+B2+B3)	58.818	173.081	3) REL	20.789	83.524
TOTAL STATE	251.663	905.387	TOTAL STATE	367.422	1439.839

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4837	4524	4831
MSGENCO Hydro	455	912	110
MSGENCO Gas	443	438	456
MSGENCO Total Generation	5735	5874	5397
Central Sector Receipt	5371	4949	4358
WIND	533	651	821
CPP / IPP	2514	2520	2361
Exchange with Mumbai	-837	-712	-585
MSEDCL DEMAND MET	13316	13282	12352
Load Shedding	725	438	125
MSEDCL DEMAND	14041	13720	12477
TPCL GENERATION	1547	1544	860
R-INFRA GENERATION	524	521	423
TPCL+R-INFRA DEMAND	2908	2777	1868
STATE DEMAND MET	16224	16059	14220
STATE DEMAND	16949	16497	14345
Frequency (Hz)	50.07	49.95	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 06.04 Hrs	49.54 Hz at 14.18 Hrs	50.04	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 04/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.68	13.73	173	136	144
Unit 6	3.69	13.41	170	130	142
Unit 7	4.00	15.71	185	140	168
Total	11.37	42.86			454
Bhusawal					
Unit 2	3.74	14.94	165	140	160
Unit 3	3.76	14.92	165	150	160
Unit 4	8.79	21.38	425	205	430
Unit 5	0.00	0.00	0	0	
Total	16.29	51.24			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	3.35	14.49	151	122	150
Unit 2	3.71	8.31	166	135	160
Unit 3	4.29	18.46	205	127	145
Unit 4	3.95	17.08	188	124	190
Unit 5	10.43	41.61	455	380	450
Unit 6	9.89	40.58	425	390	440
Unit 7	7.97	30.21	365	302	350
Total	43.58	170.73			1885
Paras					
Unit 3	5.33	21.27	240	203	240
Unit 4	5.18	20.49	226	200	220
Total	10.50	41.76			460
Khaparkheda					
Unit 1	2.92	13.52	160	85	150
Unit 2	3.56	14.81	175	120	180
Unit 3	3.44	15.31	165	125	170
Unit 4	4.18	16.53	189	162	200
Unit 5	6.59	35.32	433	0	475
Total	20.69	95.48			1175
Nasik					
Unit 3	4.44	14.64	195	170	210
Unit 4	4.21	14.10	181	167	195
Unit 5	4.48	16.19	195	173	210
Total	13.14	44.92			615
Uran					
All Units	10.69	41.69	456	430	440
Total	10.69	41.69			440
PENCH (MS)					
Pench (MS)	0.17	0.58	48	0	
Total	0.17	0.58			
Koyna					
Stage 1-2	2.98	8.85	385	35	600
Stage 4	0.99	4.21	497	0	250
Stage 3	0.73	2.62	158	0	240
Kovna 12&4 Total	3.97	13.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.70	15.68			1090
Hydro					
KDPH	0.43	1.86	18	18	18
VTRNA	0.88	3.64	61	0	61
TILLARI	0.34	1.28	60	0	60
BHTGR/VEER	0.05	0.18	2	2	2
BHIRA T.R.	0.22	0.70	63	0	80
RNGR+BHTSA	0.29	1.14	12	12	12
BHANDARDRA	0.33	1.47	14	13	15
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.50	2.22	21	20	0
GHATGHAR	0.00	0.00	0	0	0
Total	3.04	12.49			248
Wind					
MalharPeth	0.90	2.34			
Vankuswadi	1.06	3.11			
ATIT	0.86	1.72			
Kale	0.46	1.53			
Satara	0.74	2.87			
Shirala	0.40	1.18			
K Mahankal	1.10	3.27			
Supa	0.15	0.40			
Vita	1.37	3.97			
Dondaicha	6.48	21.21			
Sakri	0.74	2.49			
Nandurbar	0.69	2.13			
Khandke	0.55	2.21			
Khaparale	0.66	2.51			
Total	16.16	50.94			
CPP					
JSW JAIGAD	27.91	94.45	1199	1089	1100
WARDHA	7.86	31.43	330	325	328
Adani	14.57	57.82	620	600	617
Other CPPs	8.48	32.63			
Total	58.82	216.33			2045
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.20	41.69	500	321	500
Trombay 6	4.34	18.69	250	148	500
Trombay 7A	2.94	11.76	124	120	120
Trombay 7B	1.60	6.43	68	66	60
Trombay 8	5.92	22.88	252	195	250
TATA Hydro	4.07	13.94	432	0	447
Total	30.07	115.40			1877
REL					
1&2	12.44	48.54	525	423	500
Total	12.44	48.54			500
Cent Sect					
Share					5090
Total					5090

MS PG CL	Thermal	115.57	446.98			5339
	Thml+Gas	126.27	488.68			5779
	Hydro	7.74	28.17			1338
	Total	134.00	516.84			7117
State Total		251.66	905.39			16629

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4923	300	448	5671	714	2429	4858	5037	-799	-742	13111	44	13155	2383	15538	49.97
2	4951	125	451	5527	780	2454	4734	4612	-667	-551	12822	98	12920	2168	15088	50.08
3	5052	105	453	5610	798	2436	4634	4168	-562	-410	12602	92	12694	2028	14722	50.00
4	5020	110	451	5581	813	2381	4590	4135	-514	-401	12509	99	12608	1934	14542	50.22
5	4831	110	456	5397	821	2361	4557	4358	-482	-585	12352	125	12477	1868	14345	50.13
6	4998	110	455	5563	811	2340	4511	4384	-438	-469	12629	348	12977	1905	14882	50.11
7	4935	115	455	5505	761	2347	4505	4153	-404	-343	12423	771	13194	1885	15079	50.03
8	4903	142	452	5497	646	2366	4490	4086	-389	-355	12240	784	13024	1942	14966	50.21
9	4937	192	447	5576	668	2400	4501	4451	-408	-485	12610	722	13332	2151	15483	50.06
10	4947	543	440	5930	626	2435	4683	4852	-543	-637	13206	519	13725	2493	16218	50.01
11	4910	685	439	6034	531	2502	4956	5072	-630	-732	13407	541	13948	2786	16734	50.14
12	4837	455	443	5735	533	2514	5153	5371	-685	-837	13316	725	14041	2908	16949	50.07
13	4509	321	447	5277	606	2529	5195	5382	-708	-837	12957	899	13856	2906	16762	50.09
14	4540	203	443	5186	547	2507	5154	5455	-693	-801	12894	795	13689	2798	16487	50.01
15	4544	439	442	5425	516	2525	5076	5509	-718	-751	13224	619	13843	2856	16699	49.82
16	4568	1072	430	6070	464	2534	4927	5255	-731	-711	13612	508	14120	2848	16968	49.86
17	4524	912	438	5874	651	2520	4719	4949	-712	-712	13282	438	13720	2777	16497	49.95
18	4498	195	443	5136	845	2487	4377	4591	-642	-957	12102	297	12399	2666	15065	50.19
19	4632	167	442	5241	926	2400	4344	4628	-596	-1113	12082	184	12266	2576	14842	50.16
20	4821	349	443	5613	653	2459	4631	4789	-689	-876	12685	228	12913	2677	15590	50.22
21	4906	284	442	5632	570	2509	4725	5047	-748	-742	13064	152	13216	2621	15837	49.87
22	4975	167	443	5585	591	2463	4734	5011	-692	-642	13034	109	13143	2544	15687	50.06
23	4944	222	443	5609	671	2457	4743	5212	-767	-716	13259	55	13314	2479	15793	49.89
24	4869	412	448	5729	620	2463	4710	5252	-847	-731	13353	49	13402	2448	15850	49.88
MUs	115.57	7.74	10.69	134.00	16.16	58.82	113.51	115.76	-15.06	-16.14	308.78	9.20	317.98	58.65	376.62	50.04

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 04/May/2013

Position as on 6.30 Hrs of 05/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.	
Cent_Sect NTPC(V-4)	210	23/04/2013	00.12		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Hydro GhatgharU2	125	16/04/2013	10.30		Continued.	Water seepage from turbine spiral casing foundation.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Bhusawal Unit 5	500	24/04/2013	10.30		Continued.	Bunkering problem.	
Cent_Sect NTPC (K-2)	210	27/04/2013	03.07	05/05/2013	20.40	Boiler Tube Leakage.	
Cent_Sect Sipat-4	500	27/04/2013	21.21		Continued.	Coal Shortage.	
Uran Unit 7	108	28/04/2013	22.54		Continued.	Boiler Duct Renovation.	
CPP WPCL U-2	135	29/04/2013	00.28		Continued.	Bottom Ash Conveying Problem.	
Koyna ST-IV 1	250	03/05/2013	08.22	04/05/2013	17.00	R.M.Work	
Dabhol 1B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Dabhol 3B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	04/05/2013	11.44	04/05/2013	18.04	PA Fan Problem	
Dabhol 1X	290	05/05/2013	09.41		Continued.	Gas Shortage.	
Dabhol 1A	230	05/05/2013	09.42		Continued.	Gas Shortage.	
Chandrapur Unit 6	500	05/05/2013	21.35		Continued.	Boiler Tripped on R H Protection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/May/2013

Position as on 6.30 Hrs of 05/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Nasik-Navsari -II	04/05/2013	15.22	04/05/2013	20.17	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	29/04/2013	17.18		Continued.	Over Voltage.
Kolhapur - Mapusa - I	03/05/2013	17.32	04/05/2013	08.50	Over Voltage
Dhule-Sar'Sarovar - I	04/05/2013	02.58	04/05/2013	08.01	Over Voltage
Kolhapur-Solapur (PG) II	04/05/2013	17.44		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	04/05/2013	17.55		Continued.	Over Voltage
Kolhapur - Mapusa - I	05/05/2013	17.18		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	23/04/2013	17.51		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Khadka - Aurangabad	29/04/2013	08.55		Continued.	For diversion of 400KV BSL-A'bad line.
Main Bus - I @ Kalwa	03/05/2013	08.44	05/05/2013	15.21	Repair sleeve to broken Bus Conductor
440/220 KV 315 MVA ICT-II @ BBLSWR	04/05/2013	08.34	04/05/2013	17.35	Hot Spot
400/220 KV 500 MVA ICT-I @ Deepnagar	04/05/2013	09.36	04/05/2013	17.00	Tan Delta measurement
Karad - Kolhapur - II	04/05/2013	11.03	05/05/2013	07.02	R.M.Work,ready for charging 18.52Hrs
400/220KV 500 MVA ICT I at Lonikand Ph.II	04/05/2013	11.09	04/05/2013	13.25	Air Leakage, ICT on Humming
Akola - Bhusawal	04/05/2013	12.03	04/05/2013	12.14	To remove 50MVAR reactor
50MVAR Line Reactor on Bhusawal- Akola at BSL End	04/05/2013	12.05		Continued.	Overhauling of Line Reactor upto 21-5-2013
Kalwa - Padgha - I	05/05/2013	07.32	05/05/2013	16.21	To Attend Hot Spot.
New Koyna - Jaigad - II	05/05/2013	08.16	05/05/2013	19.04	Polymer Insulator Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Gorai - Borivali - II	29/04/2013	10.25		Continued.	Repl.of faulty E/S.
Pawas-Kharepatan	03/05/2013	08.30	04/05/2013	23.17	Replacement of 220KV Ckt.Breaker
220/132 KV 150 MVA T/F-I @ Boiser	04/05/2013	08.20	04/05/2013	16.50	Dignostic Test
Padgha - Nalasopara	04/05/2013	10.46	04/05/2013	18.31	Replacement of Flashover Disc Insulator
Vita - Miraj	04/05/2013	12.24	04/05/2013	13.05	Paper Raping
Trombay - Sonkar	04/05/2013	13.23	04/05/2013	16.24	Jumper replacement work
Dahanu-Ghodbandar-II	05/05/2013	09.16	05/05/2013	10.35	Replacement of Vibration Damper @ Loc. No. 254.
Wadkhal - NDIL - I	05/05/2013	09.25	05/05/2013	14.20	For Cleaning & Testing of Equipments.
Tarapur - Ghodbundar	05/05/2013	11.15	05/05/2013	18.00	Attending Isolator Box Problem.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/May/2013

Position as on 6.30 Hrs of 05/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amalner - Dharangaon	27/04/2013	11.05	05/05/2013	13.12	Reorientation Work for New 132 KV Nardane Line.
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.	Handtripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Karad - Kolhapur - I	03/05/2013	17.03	04/05/2013	06.43	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhali.
Wadkhal-NDIL-3	05/05/2013	22.15		Continued.	Due to Sparking on Y Ph.Insulator.
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.
Warora- Tirora -II	25/04/2013	16.53		Continued.	Distance protection.
400/11.5 KV 90 MVA Station T/F -III @ Chandrapur	26/04/2013	15.38		Continued.	Diffrential Protection Operated OLTC Buchholz Protection Operated Bucholz Alarm.MTR Operated.
Karad-Jaigad II	04/05/2013	04.24	04/05/2013	13.51	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)
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	05/05/2013	11.10	05/05/2013	11.35	L V O/C Protection Operated.
Kandalgaon - Sona Alloy	05/05/2013	12.58	05/05/2013	13.35	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalishaon - Manmad - I	05/05/2013	16.56	05/05/2013	17.45	Distance Protection Operated Z-I Y-E.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	120
Unit 7	210	165
	620	430
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	450
Unit 5	500	
	1420	770
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	370
	2340	1890
Paras		
Unit 3	250	220
Unit 4	250	230
	500	450
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	150
Unit 4	210	170
Unit 5	500	440
	1340	920
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	440
	852	440
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	14
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	248
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	1100
WARDHA	405	330
Adani	1320	615
Other CPPs	300	
	3225	2045
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	4471
	3455	4471