



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/May/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.055	384.808	1) Gujrat	9.633	31.076
2) Hydro	12.961	33.315	2) Madhya Pradesh	21.983	63.212
3) Gas	11.913	37.359	3) Chattisgarh	9.230	25.690
Total MSGENCO	151.929	455.482	4) Maharashtra Net	82.870	238.915
B) 1) JSW JAIGAD	20.497	59.534	(Incl. 765kV Solapur-Raichur)	-0.952	-4.681
2) WPCL	2.763	7.841	5) Goa	-7.624	-20.941
3) ADANI	41.590	117.491	6) TAPS 1&2 Injection	7.423	22.064
4) Other CPP / IPP	19.290	56.200	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.441	31.938	8) Pench (Excess)	-0.237	-0.352
6) PENCH (MS)	0.237	0.352			
7) SOLAR	1.020	3.004	# Total Cent. Sector	123.278	359.664
C) 1) TPCL Thermal	18.835	55.680	F) Other Exchanges		
2) TPCL Hydro	2.732	7.599	1) With TPCL (Excess)	-25.523	-77.626
TOTAL TPCL	21.567	63.279	G) Bilateral Power *		
3) REL Thermal	12.477	35.879	1) MSEDCL Bilateral	23.181	62.309
D) STATE			Include PX	7.681	17.809
1) Thermal (A1+C1+C3)	158.367	476.367	2) MUMBAI Bilateral	28.195	82.015
2) Hydro (A2+B6+C2)	15.930	41.266	Include PX	1.809	6.232
3) Gas (A3)	11.913	37.359	3) MUMBAI Schedule	28.195	82.015
4) Wind (B5)	10.441	31.938	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	84.140	165.165	1) MSEDCL	345.522	1013.880
6) SOLAR (B7)	1.020	3.004	2) TPCL	37.700	112.276
TOTAL STATE	281.811	755.099	3) REL	21.868	64.509
			TOTAL STATE	405.090	1190.665

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5820	5243	5233
MSGENCO Hydro	773	816	192
MSGENCO Gas	479	450	543
MSGENCO Total Generation	7072	6509	5968
Central Sector Receipt	5773	6336	4687
WIND	180	717	508
CPP / IPP	3694	3620	3331
SOLAR	138	94	0
Exchange with Mumbai	-1339	-1344	-483
MSEDCL DEMAND MET	15518	15984	14011
Load Shedding	993	466	305
MSEDCL DEMAND	16511	16450	14316
TPCL GENERATION	1085	965	844
R-INFRA GENERATION	521	520	522
TPCL+R-INFRA DEMAND	2945	2829	1849
STATE DEMAND MET	18463	18813	15860
STATE DEMAND	19456	19279	16165
Frequency (Hz)	49.98	49.94	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 17.56 Hrs	49.68 Hz at 23.58 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 03/May/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.80	10.81	175	117	165
Unit 7	3.90	11.25	179	140	165
Total	7.70	22.06			330
Bhusawal					
Unit 2	3.20	9.56	140	110	130
Unit 3	3.38	10.22	155	130	145
Unit 4	8.77	25.00	500	305	364
Unit 5	7.68	22.77	400	290	315
Total	23.02	67.55			954
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.80	11.44	166	140	158
Unit 6	4.60	14.01	250	178	188
Unit 7	4.62	13.46	250	178	178
Total	13.02	38.91			524
Chandrapur					
Unit 1	3.45	10.18	148	140	150
Unit 2	3.91	11.54	168	153	170
Unit 3	4.22	12.16	181	162	190
Unit 4	4.89	13.83	210	170	210
Unit 5	9.99	30.00	445	380	425
Unit 6	9.13	27.02	410	355	380
Unit 7	8.20	25.60	375	299	350
Total	43.79	130.34			1875
Paras					
Unit 3	5.00	14.92	238	173	200
Unit 4	0.00	9.20	0	0	0
Total	5.00	24.11			200
Khaparkheda					
Unit 1	3.84	11.27	185	145	160
Unit 2	3.63	11.00	180	135	160
Unit 3	0.19	0.19	70	0	0
Unit 4	4.18	12.51	210	165	165
Unit 5	9.32	27.47	502	330	400
Total	21.15	62.44			885
Nasik					
Unit 3	4.19	12.84	195	55	190
Unit 4	4.58	13.23	195	180	190
Unit 5	4.60	13.34	196	177	190
Total	13.36	39.40			570
Uran					
All Units	11.91	37.36	589	413	630
Total	11.91	37.36			630
PENCH (MS)					
Pench (MS)	0.24	0.35	54	0	
Total	0.24	0.35			
Koyna					
Stage 1-2	3.27	8.36	405	40	600
Stage 4	3.33	6.71	613	0	250
Stage 3	1.61	3.62	172	0	320
Kovna 12&4 Total	6.60	15.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.21	18.69			1170
Hydro					
KDPH	0.30	0.90	13	12	12
VTRNA	1.34	3.51	61	10	61
TILLARI	0.40	1.19	64	0	65
BHTGR/VEER	0.06	0.18	3	2	3
BHIRA T.R.	0.21	0.69	40	0	40
RNGR+BHTSA	0.00	0.16	0	0	0
BHANDARDRA	0.78	2.35	33	32	32
ELDARY	0.34	1.02	15	11	15
SMLHY PTN	0.73	1.66	38	27	9
GHATGHAR	0.60	2.96	193	0	0
Total	4.75	14.63			237
Wind					
MalharPeth	0.10	0.37			
Vankuswadi	0.20	0.71			
ATIT	0.02	0.04			
Kale	0.01	0.03			
Satara	3.19	9.48			
Shirala	0.08	0.34			
K Mahankal	0.05	0.10			
Supa	0.01	0.08			
Vita	1.24	3.02			
Dondaicha	4.25	13.50			
Sakri	0.42	1.60			
Nandurbar	0.46	1.43			
Khandke	0.12	0.22			
Khaparale	0.30	1.02			
Total	10.44	31.94			
CPP					
JSW JAIGAD	20.50	59.53	885	818	850
WARDHA	2.76	7.84	117	113	115
Adani	41.59	117.49	1820	1620	1696
Other CPPs	19.29	56.20			660
Total	84.14	241.07			3321
SOLAR					
Total	1.02	3.00			
Total	1.02	3.00			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.20	31.98	498	416	500
Trombay 6	3.69	11.08	156	153	500
Trombay 7A	2.46	7.96	126	65	120
Trombay 7B	1.49	4.67	69	50	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.73	7.60	346	0	447
Total	21.57	63.28			1627
REL					
1&2	12.48	35.88	522	517	500
Total	12.48	35.88			500
Cent Sect					
Share					5666
Total					5666
MS PG CL	Thermal	127.06	384.81		5338
	Thml+Gas	138.97	422.17		5968
	Hydro	12.96	33.32		1407
	Total	151.93	455.48		7375
State Total		281.81	755.10		18489

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/May/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5132	738	539	6409	469	3361	0	5011	5398	-1113	-1266	14371	92	14463	2581	17044	50.02
2	5213	578	541	6332	494	3364	0	4901	5023	-1039	-1066	14147	264	14411	2350	16761	50.04
3	5187	281	539	6007	552	3327	0	4857	5128	-962	-760	14254	278	14532	2079	16611	50.06
4	5219	196	544	5959	577	3322	0	4391	4673	-1020	-502	14029	289	14318	1862	16180	50.15
5	5233	192	543	5968	508	3331	0	4387	4687	-1017	-483	14011	305	14316	1849	16165	50.11
6	5264	197	544	6005	381	3336	0	4412	4931	-1041	-523	14130	357	14487	1892	16379	50.08
7	5262	197	583	6042	245	3351	10	4490	4926	-1084	-553	14021	585	14606	1915	16521	50.17
8	5320	201	589	6110	113	3348	28	4957	5303	-1129	-720	14182	702	14884	2039	16923	50.17
9	5327	372	578	6277	67	3399	63	5017	5306	-1184	-882	14230	699	14929	2210	17139	50.08
10	5327	885	532	6744	114	3600	87	5274	5659	-1116	-1215	14989	588	15577	2643	18220	50.00
11	5246	1354	511	7111	98	3638	126	5692	5815	-1260	-1211	15577	686	16263	2758	19021	50.02
12	5395	1369	472	7236	137	3680	133	5775	5812	-1326	-1316	15682	850	16532	2890	19422	50.00
13	5820	773	479	7072	180	3694	138	5698	5773	-1356	-1339	15518	993	16511	2945	19456	49.98
14	5752	684	444	6880	283	3557	128	5641	5929	-1318	-1327	15474	847	16321	2866	19187	49.92
15	5751	729	454	6934	342	3613	126	5939	5967	-1355	-1362	15674	562	16236	2853	19089	49.88
16	5243	816	450	6509	717	3620	94	5937	6284	-1371	-1344	15932	466	16398	2829	19227	49.94
17	5122	763	451	6336	933	3630	59	4943	5505	-1342	-1276	15221	487	15708	2800	18508	50.06
18	5187	241	456	5884	839	3582	25	4557	4203	-1222	-1298	13256	460	13716	2713	16429	50.12
19	5054	269	456	5779	842	3514	3	4499	4099	-1168	-1252	13006	53	13059	2615	15674	50.11
20	5068	587	449	6104	400	3566	0	4601	4568	-1166	-1184	13482	39	13521	2700	16221	50.03
21	5091	581	459	6131	410	3627	0	4605	4707	-1177	-1145	13733	28	13761	2646	16407	49.99
22	5274	479	457	6210	480	3612	0	4568	4385	-1119	-1139	13548	18	13566	2558	16124	50.03
23	5296	291	413	6000	611	3593	0	4794	4508	-1179	-1186	13526	18	13544	2481	16025	49.98
24	5272	188	430	5890	649	3475	0	4952	4689	-1133	-1174	13529	12	13541	2493	16034	49.92
MUs	127.06	12.96	11.91	151.93	10.44	84.14	1.02	119.90	123.28	-28.19	-25.52	345.52	9.68	355.20	59.57	414.77	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 03/May/2014

Position as on 6.30 Hrs of 04/May/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Khaparkheda Unit 3	210	01/04/2014	05.14	03/05/2014	19.08	A.O.H.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP INDIABULLS	270	19/04/2014	19.50		Continued.	Coal Shortage of U-1	
Parli Unit 4	210	25/04/2014	17.52		Continued.	Flame Failure.	
CPP INDIABULLS	270	29/04/2014	09.34		Continued.	PA Fan Problem of U-2	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Paras Unit 4	250	02/05/2014	17.36	04/05/2014	23.14	Boiler Tube Leakage	
Khaparkheda Unit 3	210	03/05/2014	19.40	03/05/2014	21.23	UAT Tripping	
Parli Unit 5	210	04/05/2014	0.45	04/05/2014	5.14	Id fan problem	
Uran Unit 8	108	04/05/2014	12.53		Continued.	Gas shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/May/2014

Position as on 6.30 Hrs of 04/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	02/05/2014	17.10	03/05/2014	7.21	Over Voltage
Kolhapur - Mapusa - II	03/05/2014	16.41	04/05/2014	09.55	over voltage
Kolhapur - Mapusa - I	04/05/2014	16.41		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Jejuri-403 CB	03/05/2014	10.45	03/05/2014	15.45	maint.work
400/220 KV,500MVA ICT - III at Parly	03/05/2014	13.40	04/05/2014	10.03	R phase jumper broken connected to bus
400/220 KV 600 MVA ICT-II @ Kalwa	04/05/2014	06.34	04/05/2014	15.55	To Attend Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Koradi-Butibori	30/04/2014	10.35		Continued.	O/H Of C.B.
Trombay Sonkhar	03/05/2014	11.45	03/05/2014	15.34	for jumper replacement work
Nerul-Kharghar	03/05/2014	6.10	03/05/2014	9.12	Attending hot spot on y phase line
Miraj -Ichalkarajni	03/05/2014	9.12	03/05/2014	12.42	hot spot on r ph at wave trap bottom side
Nivali-Pawas	03/05/2014	9.24	03/05/2014	17.08	Insulator cleaning work
Apta-Kalwa	04/05/2014	06.30	04/05/2014	12.30	For Stringing of OPGW Cable @ L.N.-681B-684B.
Kalwa I-Taloja	04/05/2014	06.33	04/05/2014	12.28	For Stringing of OPGW Cable @ L.N.-681B-684B.
Boiser PGCIL-Boiser II	04/05/2014	06.46	04/05/2014	09.30	Red Hot Spot.
Kalwa- salsett 6	04/05/2014	08.35	04/05/2014	12.45	P.M.Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand - Jejuri	03/05/2014	15.50	03/05/2014	18.37	B phase cvt jumper heavy sparking observed,heavy rain & wind at Lonikand
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765 KV (Akola 2) 240 MVAR bus reactor	03/05/2014	9.19	03/05/2014	17.27	over voltage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Dabhol - New Koyana - I	28/04/2014	12.26		Continued.	Cold washing of Insulator, RFC 19.53Hrs
Karad - Kolhapur - II	02/05/2014	16.46	03/05/2014	7.09	Over Voltage
Karad-Jaigad I	02/05/2014	16.48	03/05/2014	7.11	Over Voltage
Bhusawal- Aurangabad	02/05/2014	17.28	03/05/2014	7.16	Over Voltage
Karad - Kolhapur - II	03/05/2014	16.09	04/05/2014	07.15	over voltage
Karad-Jaigad I	03/05/2014	16.32	03/05/2014	19.05	over voltage
Bhusawal- Aurangabad	03/05/2014	17.15	04/05/2014	08.48	over voltage
Bus Reactor @ Kolhapur	04/05/2014	10.27	04/05/2014	16.38	Hand Tripped.
Bus reactor @ Dhule	04/05/2014	10.29		Continued.	Hand Tripped.
Bus Reactor @ 765KV Akola	04/05/2014	10.30	04/05/2014	17.21	Hand Tripped.
Karad-Kolhapur-II	04/05/2014	16.04		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/May/2014

Position as on 6.30 Hrs of 04/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	04/05/2014	16.06		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/05/2014	17.45		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	01/05/2014	17.05	03/05/2014	11.02	Over Voltage
Karad-Jaigad II	03/05/2014	17.15	04/05/2014	07.10	distance protection
Dhule - Babhaleshwar - I	03/05/2014	9.53	03/05/2014	9.53	A/R oprated z-1,b-ph to n,ls/n distance 144km at bblr end
Voltage Level : 220KV			Outage Type TRIPPED		
Chinchwad-Parvati	03/05/2014	15.41	03/05/2014	16.40	distance protection
Karad - Sadawaghapur - II	03/05/2014	16.46		Continued.	distance protection
Karad-Wathar	03/05/2014	17.18	03/05/2014	17.57	distance protection
Karad - Dasgaon	03/05/2014	17.25	03/05/2014	17.52	distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Bhokardan-Rajur	04/05/2014	05.57	04/05/2014	19.35	Distance Protection Operated Z-I.R-E Fault.
Jalna - Rajur 1	04/05/2014	06.27	04/05/2014	06.34	Over Current,Earthfault.
Kawlewada-Madgi-I	04/05/2014	19.41	04/05/2014	20.35	Distance Protection Operated Z-2.
Girwali - Gangakhed	04/05/2014	20.18	04/05/2014	20.35	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	160
	620	295
Bhusawal		
Unit 2	210	141
Unit 3	210	144
Unit 4	500	312
Unit 5	500	313
	1420	910
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	100
Unit 6	250	185
Unit 7	250	180
	1130	465
Chandrapur		
Unit 1	210	145
Unit 2	210	165
Unit 3	210	160
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	350
	2340	1880
Paras		
Unit 3	250	210
Unit 4	250	0
	500	210
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	150
Unit 4	210	210
Unit 5	500	400
	1340	1080
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	12
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	65
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	33
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	237
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	810
WARDHA	405	125
Adani	2640	1851
Other CPPs	300	670
	4545	3456
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5509
	3455	5509