



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Apr/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.287	3535.505	1) Gujrat	8.095	164.032
2) Hydro	34.451	701.922	2) Madhya Pradesh	21.520	669.855
3) Gas	10.363	255.441	3) Chattisgarh	9.970	292.100
Total MSGENCO	174.101	4492.868	4) Maharashtra Net	91.622	2499.040
B) 1) JSW JAIGAD	14.200	397.221	(Incl. 765kV Solapur-Raichur)	-0.325	-33.831
2) WPCL	0.000	4.347	5) Goa	-6.880	-181.339
3) ADANI	33.423	988.833	6) TAPS 1&2 Injection	7.367	205.567
4) Other CPP / IPP	20.707	623.104	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.310	210.785	8) Pench (Excess)	-0.226	-3.869
6) PENCH (MS)	0.226	4.236	# Total Cent. Sector	131.468	3645.386
7) SOLAR	1.084	28.499	F) Other Exchanges		
C) 1) TPCL Thermal	20.288	512.163	1) With TPCL (Excess)	-25.471	-660.005
2) TPCL Hydro	6.084	109.937	G) Bilateral Power *		
TOTAL TPCL	26.372	622.100	1) MSEDCL Bilateral	17.934	472.395
3) REL Thermal	12.457	347.767	Include PX	0.000	16.556
D) STATE			2) MUMBAI Bilateral	27.666	699.934
1) Thermal (A1+C1+C3)	162.032	4395.435	Include PX	4.533	110.920
2) Hydro (A2+B6+C2)	40.761	816.095	3) MUMBAI Schedule	27.666	699.934
3) Gas (A3)	10.363	255.441	H) ENERGY CATERED (MUs)		
4) Wind (B5)	9.310	210.785	1) MSEDCL	359.048	9735.274
5) CPP/IPP (B1+B2+B3+B4)	68.330	1058.095	2) TPCL	41.111	1040.837
6) SOLAR (B7)	1.084	28.499	3) REL	23.187	589.092
TOTAL STATE	291.880	6764.350	TOTAL STATE	423.346	11365.203

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5528	5866	5259
MSGENCO Hydro	2418	1930	970
MSGENCO Gas	432	433	410
MSGENCO Total Generation	8378	8229	6639
Central Sector Receipt	6052	6080	5052
WIND	130	205	475
CPP / IPP	2777	2774	2569
SOLAR	149	134	0
Exchange with Mumbai	-1323	-1280	-583
MSEDCL DEMAND MET	16163	16142	14152
Load Shedding	1164	1033	235
MSEDCL DEMAND	17327	17175	14387
TPCL GENERATION	1367	1388	835
R-INFRA GENERATION	517	520	521
TPCL+R-INFRA DEMAND	3207	3188	1939
STATE DEMAND MET	19370	19330	16091
STATE DEMAND	20534	20363	16326
Frequency (Hz)	49.93	49.88	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 17.55 Hrs	49.56 Hz at 22.15 Hrs	49.92	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 28/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.40	0	0	0
Unit 6	3.74	80.52	165	129	150
Unit 7	3.86	94.90	176	130	145
Total	7.60	175.82			295
Bhusawal					
Unit 2	3.20	64.64	155	120	150
Unit 3	3.37	86.42	155	125	150
Unit 4	9.72	233.43	480	360	430
Unit 5	7.52	165.10	375	265	372
Total	23.80	549.58			1102
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	94.36	0	0	0
Unit 5	3.87	61.80	169	155	161
Unit 6	4.72	129.79	250	185	187
Unit 7	4.72	127.93	250	183	187
Total	13.31	413.88			535
Chandrapur					
Unit 1	3.34	82.55	144	134	150
Unit 2	3.77	102.49	166	136	150
Unit 3	4.08	100.60	183	155	180
Unit 4	4.62	106.71	207	172	210
Unit 5	9.94	288.36	440	370	425
Unit 6	9.26	267.24	410	365	390
Unit 7	7.61	260.62	360	280	310
Total	42.62	1208.57			1815
Paras					
Unit 3	5.46	122.11	252	198	230
Unit 4	5.65	122.41	261	192	230
Total	11.11	244.52			460
Khaparkheda					
Unit 1	3.85	106.14	185	125	180
Unit 2	3.39	101.78	170	120	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.96	128.46	210	185	210
Unit 5	9.68	261.03	500	361	500
Total	21.88	598.20			1070
Nasik					
Unit 3	4.50	102.78	195	175	190
Unit 4	0.00	118.00	0	0	0
Unit 5	4.47	124.15	195	167	190
Total	8.96	344.93			380
Uran					
All Units	10.36	255.44	451	377	460
Total	10.36	255.44			460
PENCH (MS)					
Pench (MS)	0.23	4.24	47	0	
Total	0.23	4.24			
Koyna					
Stage 1-2	7.43	158.72	575	50	600
Stage 4	16.61	310.87	1120	0	250
Stage 3	5.46	102.52	320	0	320
Kovna 12&4 Total	24.04	469.59			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	29.50	572.10			1170
Hydro					
KDPH	0.47	12.71	28	15	18
VTRNA	1.20	33.68	61	0	61
TILLARI	0.41	10.85	63	0	60
BHTGR/VEER	0.10	2.14	5	4	3
BHIRA T.R.	0.30	6.28	40	0	40
RNGR+BHTSA	0.30	7.72	13	12	15
BHANDARDRA	0.75	7.89	32	31	30
ELDARY	0.35	5.56	15	14	0
SMLHY PTN	0.84	24.97	35	34	12
GHATGHAR	0.24	18.02	220	0	0
Total	4.96	129.82			239
Wind					
MalharPeth	0.18	6.58			
Vankuswadi	0.28	11.58			
ATIT	0.05	1.31			
Kale	0.09	4.34			
Satara	3.97	53.80			
Shirala	0.25	5.14			
K Mahankal	0.05	0.67			
Supa	0.06	2.48			
Vita	0.82	25.92			
Dondaicha	2.67	69.73			
Sakri	0.31	7.80			
Nandurbar	0.29	7.90			
Khandke	0.10	5.91			
Khaparale	0.20	7.62			
Total	9.31	210.78			
CPP					
JSW JAIGAD	14.20	397.22	598	584	535
WARDHA	0.00	4.35	0	0	0
Adani	33.42	988.83	1790	1180	1223
Other CPPs	20.71	623.10			630
Total	68.33	2013.50			2388
SOLAR					
Total	1.08	28.50			
Total	1.08	28.50			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.68	314.24	502	476	500
Trombay 6	4.35	80.64	247	155	500
Trombay 7A	2.69	73.61	123	83	120
Trombay 7B	1.57	43.66	69	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.08	109.94	471	0	447
Total	26.37	622.10			1627
REL					
1&2	12.46	347.77	522	514	500
Total	12.46	347.77			500
Cent Sect					
Share					5821
Total					5821
MS PG CL	Thermal	129.29	3535.50		5657
	Thml+Gas	139.65	3790.95		6117
	Hydro	34.45	701.92		1409
	Total	174.10	4492.87		7526
State Total		291.88	6764.35		17862

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Apr/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	5265	2088	377	7730	309	2549	0	5127	5481	-1112	-1011	15058	124	15182	2465	17647	49.93
2	5315	1758	389	7462	405	2603	0	5025	5210	-973	-832	14848	166	15014	2222	17236	49.91
3	5260	1408	409	7077	423	2549	0	4998	5147	-890	-723	14473	179	14652	2082	16734	49.93
4	5258	979	408	6645	505	2580	0	4994	5490	-849	-587	14633	190	14823	1944	16767	49.95
5	5259	970	410	6639	475	2569	0	4921	5052	-819	-583	14152	235	14387	1939	16326	49.95
6	5241	1311	441	6993	502	2556	0	4925	5110	-861	-624	14537	452	14989	1978	16967	50.03
7	5257	1126	451	6834	410	2567	4	4949	5095	-834	-632	14278	1001	15279	1987	17266	50.07
8	5330	1020	449	6799	329	2636	30	5005	5300	-889	-756	14338	1036	15374	2103	17477	50.07
9	5398	1632	440	7470	222	2691	65	5025	5301	-990	-980	14769	1110	15879	2422	18301	49.97
10	5384	2215	434	8033	229	2738	127	5220	5565	-1166	-1139	15553	820	16373	2805	19178	49.80
11	5357	2258	429	8044	158	2772	136	5503	6206	-1339	-1302	16014	1022	17036	3114	20150	49.82
12	5528	2418	432	8378	130	2777	149	5756	6052	-1418	-1323	16163	1164	17327	3207	20534	49.93
13	5812	2109	432	8353	140	2771	147	5646	5712	-1441	-1299	15824	1087	16911	3208	20119	49.93
14	5866	1930	433	8229	205	2774	134	5629	6080	-1396	-1280	16142	1033	17175	3188	20363	49.88
15	5788	1923	432	8143	332	2857	118	5735	5740	-1418	-1294	15896	1060	16956	3196	20152	49.83
16	5440	2087	435	7962	508	2908	87	5754	5744	-1424	-1309	15900	1009	16909	3205	20114	49.94
17	5227	1556	440	7223	514	3075	64	5785	5795	-1396	-1293	15425	935	16360	3189	19549	49.95
18	5269	599	444	6312	505	3058	21	5374	5573	-1335	-1261	14231	897	15128	3116	18244	50.05
19	5322	299	442	6063	600	2975	2	5199	5490	-1241	-1239	13897	183	14080	2941	17021	50.00
20	5314	1155	447	6916	512	3102	0	5131	5439	-1167	-1190	14790	178	14968	2968	17936	49.92
21	5359	1083	446	6888	577	3243	0	5176	5195	-1173	-1199	14726	127	14853	2861	17714	49.87
22	5361	670	449	6480	455	3315	0	5138	5170	-1181	-1248	14195	80	14275	2795	17070	49.89
23	5351	819	447	6617	465	3386	0	5165	5163	-1194	-1199	14479	71	14550	2689	17239	49.72
24	5326	1038	447	6811	400	3279	0	5212	5356	-1161	-1168	14725	65	14790	2676	17466	49.83
MUs	129.29	34.45	10.36	174.10	9.31	68.33	1.08	126.39	131.47	-27.67	-25.47	359.05	14.22	373.27	64.30	437.57	49.92

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 28/Apr/2014

Position as on 6.30 Hrs of 29/Apr/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		Continued.	A.O.H.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
CPP JSW (J) U3	300	14/04/2014	23.51	29/04/2014	02.30	Annual Shutdown.	
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 INDIABULLS	270	20/02/2014	19.43	28/04/2014	17.41	BFP and Turbine Problem of U-2	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Adani U-4	660	14/04/2014	04:35	28/04/2014	06.24	Withdrawn	
Uran Unit 5	108	16/04/2014	03.31		Continued.	Gas Shortage.	
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 Adani U-3	660	26/04/2014	00.33		Continued.	Boiler Tube Leakage.	
Nasik Unit 4	210	27/04/2014	11.15		Continued.	Boiler Tube Leakage.	
Koyna Unit 9	80	28/04/2014	22.25	29/04/2014	05.25	R.M.Work	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Apr/2014

Position as on 6.30 Hrs of 29/Apr/2014

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	25/04/2014	18.35	28/04/2014	01.36	Tube, Line Isolator & Twin to Quad Conversion of Conductor of Ckt.
Akola-Aurangabad--II	25/04/2014	18.57	28/04/2014	00.28	Tube, Line Isolator & Twin to Quad Conversion of Conductor of Ckt. Ckt Charged By Making LILO @ 400KV A'bad(PG) S/S.
Aurangabad (PG) - 400KV Akola - II	28/04/2014	00.27	28/04/2014	00.28	Ckt Charged by Making LILO @ 400KV A'bad(PG) S/S.
Aurangabad (M) 400KV Aurangabad (PG) - I	28/04/2014	00.47	28/04/2014	00.48	Ckt Charged by Making LILO @ 400KV A'bad (PG) S/S.
Aurangabad (PG) - 400KV Akola - I	28/04/2014	01.35	28/04/2014	01.36	Ckt Charged by Making LILO @ 400KV A'bad (PG) S/S.
Karad - Solapur (PGCIL)	28/04/2014	13.50		Continued.	Replacement of CVT at Karad, RFC 03.51/29-4-2014
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		
A'bad-Talegaon PG-1	25/04/2014	17.45	28/04/2014	04.05	For Akola-A'bad 1 & 2 Outage.
Talegaon PG- Aurangabad - II	25/04/2014	18.11	28/04/2014	12.57	For Akola-A'bad 1 & 2 Outage.
Kolhapur - Mapusa - I	27/04/2014	16.37	28/04/2014	09.19	Over Voltage
Kolhapur - Mapusa - I	28/04/2014	16.37		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	28/04/2014	08.33	28/04/2014	15.00	Q.M.Work
400/220 KV, 500MVA ICT-II at Deepnagar.	28/04/2014	16.57	28/04/2014	18.46	To attend False Indication CTR Pannel
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Wathar	28/04/2014	09.05	28/04/2014	18.17	Insulator cleaning work
Kalyani-Bhigwan	28/04/2014	10.30	28/04/2014	18.30	Stringing of 765KV Solapur pune PG Line
Main Bus - II Talangde	28/04/2014	11.05	28/04/2014	19.17	Hot Spot
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE I -CHDPR	29/04/2014	04.12		Continued.	Testing and Trouble shooting of Pole-I valve control system
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Usmanabad-Parli	27/04/2014	22.33	28/04/2014	00.55	R Phase CT Oil Leakage.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	15/04/2014	00.25	28/04/2014	05.14	H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	26/04/2014	09.02	28/04/2014	07.47	To Control L/L of Akola-Bhusawal.
Karad - Kolhapur - II	27/04/2014	16.35	28/04/2014	07.09	Over Voltage.
Karad-Jaigad I	28/04/2014	02.08	28/04/2014	07.12	Over Voltage
Dabhol - New Koyna - I	28/04/2014	12.26		Continued.	Coldwashing of Insulator, RFC 19.53Hrs

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Apr/2014

Position as on 6.30 Hrs of 29/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	28/04/2014	17.06		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad-Jalna-I	25/04/2014	18.25	28/04/2014	01.14	In View of Outage on 400KV Akola-A'bad - I & II.
Aurangabad-Jalna-II	25/04/2014	18.25	28/04/2014	01.14	In View of Outage on 400KV Akola-A'bad - I & II.
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 : 220KV			Outage Type TRIPPED		
Karad-Vita-II	28/04/2014	15.16	28/04/2014	16.10	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Nimbhora	28/04/2014	13.27	28/04/2014	13.56	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	350
Unit 5	500	270
	1420	920
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	185
Unit 7	250	187
	1130	527
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	260
	2340	1820
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	0
Unit 4	210	210
Unit 5	500	400
	1340	950
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	30
ELDARY	23	
SMLHY PTN	12	15
GHATGHAR	250	
	611	241
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	695
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	875
	4545	3393
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	6512
	3455	6512