



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Mar/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	135.393	3492.645	1) Gujrat	6.077	12.595
2) Hydro	19.241	387.262	2) Madhya Pradesh	24.450	573.273
3) Gas	7.417	184.956	3) Chattisgarh	9.070	255.060
Total MSGENCO	162.051	4064.863	4) Maharashtra Net	98.207	2156.551
B) 1) JSW JAIGAD	13.235	395.192	(Incl. 765kV Solapur-Raichur)	-1.468	-39.951
2) WPCL	5.013	122.049	5) Goa	-6.422	-168.573
3) ADANI	25.361	913.928	6) TAPS 1&2 Injection	7.489	193.728
4) Other CPP / IPP	17.804	475.594	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.876	161.871	8) Pench (Excess)	-0.214	-6.396
6) PENCH (MS)	0.214	6.396			
7) SOLAR	1.150	30.032	# Total Cent. Sector	138.657	3016.238
C) 1) TPCL Thermal	14.108	405.253	F) Other Exchanges		
2) TPCL Hydro	5.541	103.433	1) With TPCL (Excess)	-26.540	-646.917
TOTAL TPCL	19.649	508.686	G) Bilateral Power *		
3) REL Thermal	12.534	328.225	1) MSEDCL Bilateral	22.093	375.024
D) STATE			Include PX	0.000	-109.624
1) Thermal (A1+C1+C3)	162.035	4226.123	2) MUMBAI Bilateral	23.042	548.305
2) Hydro (A2+B6+C2)	24.996	497.091	Include PX	12.697	181.433
3) Gas (A3)	7.417	184.956	3) MUMBAI Schedule	23.042	548.408
4) Wind (B5)	6.876	161.871	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	61.413	1018.196	1) MSEDCL	343.821	8539.246
6) SOLAR (B7)	1.150	30.032	2) TPCL	37.554	951.231
TOTAL STATE	263.887	6118.269	3) REL	21.269	532.636
			TOTAL STATE	402.644	10023.113

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	6099	5547	5690
MSGENCO Hydro	1511	1483	195
MSGENCO Gas	310	300	317
MSGENCO Total Generation	7920	7330	6202
Central Sector Receipt	6072	6222	5230
WIND	197	341	436
CPP / IPP	2535	2354	2657
SOLAR	153	64	0
Exchange with Mumbai	-1383	-1446	-638
MSEDCL DEMAND MET	15494	14875	13887
Load Shedding	769	530	185
MSEDCL DEMAND	16263	15405	14072
TPCL GENERATION	1102	964	539
R-INFRA GENERATION	523	521	522
TPCL+R-INFRA DEMAND	3008	2931	1699
STATE DEMAND MET	18502	17806	15586
STATE DEMAND	19271	18336	15771
Frequency (Hz)	49.89	49.97	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 17.31 Hrs	49.59 Hz at 19.13 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/Mar/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	3.35	92.33	154	125	140
Unit 7	3.42	90.86	169	125	145
Total	6.77	183.20			285
Bhusawal					
Unit 2	0.00	64.94	0	0	0
Unit 3	2.74	78.72	130	95	140
Unit 4	9.67	208.58	505	310	430
Unit 5	7.83	229.28	410	260	340
Total	20.24	581.52			910
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.59	84.28	160	140	150
Unit 5	0.00	62.34	0	0	0
Unit 6	4.62	113.83	250	180	179
Unit 7	4.64	128.58	250	180	180
Total	12.85	389.03			509
Chandrapur					
Unit 1	3.28	90.20	143	130	150
Unit 2	4.00	96.15	170	160	165
Unit 3	4.36	110.25	190	165	190
Unit 4	4.84	127.17	209	165	210
Unit 5	10.78	251.88	465	390	470
Unit 6	9.94	231.70	445	355	450
Unit 7	8.99	180.64	431	258	400
Total	46.20	1087.98			2035
Paras					
Unit 3	4.86	119.50	227	181	230
Unit 4	5.05	141.81	240	179	230
Total	9.90	261.31			460
Khaparkheda					
Unit 1	3.48	104.19	175	125	180
Unit 2	3.68	99.46	180	130	180
Unit 3	3.82	111.91	188	140	185
Unit 4	4.03	71.69	211	139	210
Unit 5	11.14	281.07	497	441	500
Total	26.15	668.33			1255
Nasik					
Unit 3	4.28	102.04	185	170	190
Unit 4	4.56	112.27	198	180	190
Unit 5	4.43	106.98	190	175	190
Total	13.27	321.28			570
Uran					
All Units	7.42	184.96	320	296	280
Total	7.42	184.96			280
PENCH (MS)					
Pench (MS)	0.21	6.40	54	0	
Total	0.21	6.40			
Koyna					
Stage 1-2	2.68	91.14	335	35	600
Stage 4	8.99	122.34	1113	0	250
Stage 3	2.23	46.57	240	0	320
Kovna 12&4 Total	11.67	213.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.89	260.05			1170
Hydro					
KDPH	0.55	14.72	37	2	18
VTRNA	1.21	13.61	61	0	61
TILLARI	0.40	11.02	65	0	60
BHTGR/VEER	0.00	0.57	0	0	2
BHIRA T.R.	0.37	5.23	41	0	40
RNGR+BHTSA	0.32	9.09	14	13	15
BHANDARDRA	0.00	8.48	0	0	0
ELDARY	0.36	3.19	16	15	15
SMLHY PTN	1.06	25.08	44	44	0
GHATGHAR	1.08	36.23	125	0	0
Total	5.35	127.21			211
Wind					
MalharPeth	0.17	5.99			
Vankuswadi	0.25	10.45			
ATIT	0.02	2.16			
Kale	0.09	2.88			
Satara	1.02	38.35			
Shirala	0.12	3.70			
K Mahankal	0.00	1.39			
Supa	0.05	3.24			
Vita	0.36	20.84			
Dondaicha	3.33	47.41			
Sakri	0.37	5.63			
Nandurbar	0.43	4.68			
Khandke	0.29	7.61			
Khaparale	0.38	7.55			
Total	6.88	161.87			
CPP					
JSW JAIGAD	13.24	395.19	563	485	510
WARDHA	5.01	122.05	228	197	220
Adani	25.36	913.93	1446	798	1234
Other CPPs	17.80	475.59			245
Total	61.41	1906.76			2209
SOLAR					
Total	1.15	30.03			
Total	1.15	30.03			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.92	284.22	438	321	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.63	76.44	126	84	120
Trombay 7B	1.56	44.59	70	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.54	103.43	471	0	447
Total	19.65	508.69			1127
REL					
1&2	12.53	328.22	524	518	500
Total	12.53	328.22			500
Cent Sect					
Share					6190
Total					6190
MS PG CL	Thermal	135.39	3492.64		6024
	Thml+Gas	142.81	3677.60		6304
	Hydro	19.24	387.26		1381
	Total	162.05	4064.86		7685
State Total		263.89	6118.27		17711

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Mar/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	5766	451	316	6533	315	2661	0	5707	6045	-914	-1043	14511	130	14641	2114	16755	49.93
2	5774	325	317	6416	356	2625	0	5421	5602	-629	-860	14139	161	14300	1912	16212	49.97
3	5750	195	316	6261	468	2644	0	5182	5471	-390	-776	14068	171	14239	1799	16038	49.96
4	5721	190	317	6228	584	2631	0	5171	5377	-378	-705	14115	177	14292	1732	16024	50.01
5	5690	195	317	6202	436	2657	0	5159	5230	-380	-638	13887	185	14072	1699	15771	49.97
6	5679	311	318	6308	315	2589	0	5155	5626	-431	-645	14193	354	14547	1807	16354	50.01
7	5674	502	316	6492	284	2607	0	5359	5471	-594	-664	14194	957	15151	1907	17058	49.90
8	5774	720	316	6810	272	2609	22	5477	5588	-785	-810	14531	1021	15552	2043	17595	49.90
9	5940	846	310	7096	264	2588	67	5564	5542	-889	-973	14605	887	15492	2328	17820	49.87
10	6050	1223	320	7593	214	2569	111	5779	5596	-1107	-1142	14962	621	15583	2680	18263	49.83
11	6098	1381	320	7799	227	2522	143	5985	6287	-1311	-1321	15674	629	16303	2931	19234	49.87
12	6099	1511	310	7920	197	2535	153	6084	6072	-1392	-1383	15494	769	16263	3008	19271	49.89
13	5720	1321	310	7351	207	2480	162	6157	6325	-1389	-1410	15115	921	16036	3003	19039	49.85
14	5613	1651	310	7574	200	2311	156	6055	6042	-1295	-1325	14958	814	15772	2898	18670	49.96
15	5572	1694	317	7583	185	2283	134	6083	6160	-1309	-1358	14987	625	15612	2933	18545	49.93
16	5575	1843	300	7718	227	2374	113	6098	6214	-1329	-1411	15235	519	15754	2942	18696	49.91
17	5547	1483	300	7330	341	2354	64	6030	6222	-1277	-1446	14875	530	15405	2931	18336	49.97
18	5368	696	300	6364	311	2277	24	5459	5275	-975	-1447	12815	646	13461	2849	16310	50.05
19	5128	441	300	5869	288	2352	1	5537	5592	-1023	-1321	12835	165	13000	2727	15727	49.86
20	5370	694	300	6364	255	2483	0	5882	5869	-1247	-1308	13699	320	14019	2786	16805	49.81
21	5365	395	297	6057	258	2659	0	5787	5870	-1150	-1082	13762	312	14074	2545	16619	49.90
22	5385	203	297	5885	231	2789	0	5640	5641	-1026	-1204	13342	191	13533	2484	16017	49.93
23	5376	427	296	6099	241	2887	0	5433	5773	-803	-1181	13819	120	13939	2379	16318	49.92
24	5359	543	297	6199	200	2927	0	5672	5767	-1019	-1087	14006	119	14125	2286	16411	49.87
MUs	135.39	19.24	7.42	162.05	6.88	61.41	1.15	135.88	138.66	-23.04	-26.54	343.82	11.34	355.16	58.72	413.89	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/Mar/2014

Position as on 6.30 Hrs of 29/Mar/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	
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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		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	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP JSW (J) U1	300	12/03/2014	12:00		Continued.	Condensor Tube Leakage.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 5	210	25/03/2014	12.18		Continued.	Stator Earth Fault	
CPP Dhariwal	300	26/03/2014	03.13		Continued.	Maintenance work	
Bhusawal Unit 2	210	26/03/2014	10.55		Continued.	Boiler Tube Leakage	

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

Position as on 6.30 Hrs of 29/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
A'bad-Talegaon PG-1	28/03/2014	15.03	29/03/2014	00.36	For Crossing of A'bad PG DC Lines.
Talegaon PG- Aurangabad - II	28/03/2014	15.16		Continued.	For Crossing of A'bad PG DC Lines.
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	27/03/2014	16.45	28/03/2014	07.55	Over Voltage.
Kolhapur - Mapusa - II	28/03/2014	16.36		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole - I Filter	28/03/2014	10.49	28/03/2014	18.01	Tan Delta Measurment & Breaker Timming.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 300 MVA ICT-I @ Koradi	19/03/2014	12.30		Continued.	Repl.Of Y Phase ICT-I(Up to 28-3-14)
Bableshtar-Aurangabad	27/03/2014	10.29		Continued.	Taken on TBC @ Bblsr End,Main Bkr Overhauling Work 2 Days.
Lonikand - I - Lonikand - II Interconnector - I	28/03/2014	04.31	28/03/2014	05.40	Taken on Own Breaker @ Lonikand End.
400/220KV 315 MVA ICT-II @ Padgha	28/03/2014	12.00	28/03/2014	19.12	To Attend Oil Leakage of Tertiary Bushing.
Lonikand 2-Parli-I	29/03/2014	04.00		Continued.	Line Reactor Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nivali-Pawas	27/03/2014	08.20	28/03/2014	18.15	Replacement of Ckt Bkr.
Dahanu - Ghodbandar - I	27/03/2014	22.12	28/03/2014	03.17	Retrofitting of Relay.
Bus Sectionlizer @ Apta	28/03/2014	08.31	28/03/2014	10.15	Tan Delta of CT.
Bhigwan-Baramati agro	28/03/2014	09.20	28/03/2014	17.00	Q.M.Work & Tan Delta of CT & CB CRM.
220/132 KV 200 MVA ICT - II @ Girawali	28/03/2014	10.02	28/03/2014	13.20	SFRA Test of ICT Measurment of Tan Delta of ICT Bushings.
Khargar-Topworth	28/03/2014	10.06	28/03/2014	16.42	Replacement of Insulator String.
220/132KV 200MVA ICT-II at BBLSR	28/03/2014	10.10	28/03/2014	12.50	Q.M.Work.
Bhusawal - Chalisgaon - II	28/03/2014	10.20	28/03/2014	12.20	Measurment of Contact Ressistances of Main Breaker (Ckt on TBC)
Kanhan - Bhandara - I	28/03/2014	10.36	28/03/2014	19.13	Replacement of Earthwire Bet.Loc 19-24.
Badnera - Rly TSS - II	28/03/2014	11.22	28/03/2014	13.27	Tan Delta Measurment & Breaker Timing.
Bus Coupler @ Abhijeet	28/03/2014	11.45	28/03/2014	16.27	Breaker Timing & Tan Delta & Routine Maintanence Work.
Wada-Kolshet	28/03/2014	12.12	28/03/2014	17.03	Tan Delta & CRM of CB.
Bhusawal-Chalisgaon-I	28/03/2014	13.55	28/03/2014	15.18	Measurment of Contact Ressistances of Main Breaker (Ckt on TBC)
Dhule-Chalisgaon	28/03/2014	15.33	28/03/2014	17.20	Measurment of Contact Ressistances of Main Breaker (Ckt on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)

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

Position as on 6.30 Hrs of 29/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	27/03/2014	17.01	28/03/2014	07.17	Over Voltage.
Karad-Kolhapur-II	27/03/2014	17.07	28/03/2014	07.15	Over Voltage.
Bhusawal- Aurangabad	27/03/2014	17.45	28/03/2014	07.17	Over Voltage.
Karad-Kolhapur-II	28/03/2014	16.34	29/03/2014	06.28	Over Voltsge.
Bhusawal- Aurangabad	28/03/2014	17.11		Continued.	Over Voltage.
Karad-Jaigad I	28/03/2014	17.39	29/03/2014	06.32	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	16/03/2014	20.10		Continued.	y phase CT Burst,Bus Bar Prot.operated
Chikhali - Jalna - II	16/03/2014	20.10		Continued.	Bus Bar Prot.Operated
Talandage-Hamidwada	28/03/2014	12.35	28/03/2014	12.45	Distance Protection.
Pedambe -Nerale	28/03/2014	14.03	28/03/2014	14.30	Distance Protection.
Bableshwar-Nasik-I	28/03/2014	14.55	28/03/2014	19.59	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul-Chakur	28/03/2014	16.26	28/03/2014	16.42	Load Trimming Operated.
Harangul - Nilanga	28/03/2014	16.26	28/03/2014	16.40	Load Trimming Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	155
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	120
Unit 4	500	430
Unit 5	500	372
	1420	922
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	510
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	350
	2340	1965
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	185
Unit 4	210	210
Unit 5	500	500
	1340	1255
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
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	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	3
GHATGHAR	250	0
	611	211
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	505
WARDHA	405	220
Adani	1980	1234
Other CPPs	300	245
	3885	2204
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5931
	3455	5931