



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Mar/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	136.936	2051.646	1) Gujrat	5.268	-46.862
2) Hydro	9.868	172.770	2) Madhya Pradesh	18.270	318.922
3) Gas	7.412	115.363	3) Chattisgarh	7.650	150.300
Total MSGENCO	154.216	2339.779	4) Maharashtra Net	61.724	1208.399
B) 1) JSW JAIGAD	11.134	263.620	(Incl. 765kV Solapur-Raichur)	-1.802	-24.538
2) WPCL	4.211	72.485	5) Goa	-4.587	-100.498
3) ADANI	27.735	544.360	6) TAPS 1&2 Injection	6.300	112.901
4) Other CPP / IPP	16.339	284.880	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.359	81.339	8) Pench (Excess)	-0.085	-4.304
6) PENCH (MS)	0.085	4.304	# Total Cent. Sector	94.540	1638.858
7) SOLAR	1.112	17.276	F) Other Exchanges		
C) 1) TPCL Thermal	11.610	240.767	1) With TPCL (Excess)	-23.099	-377.409
2) TPCL Hydro	0.134	50.446	G) Bilateral Power *		
TOTAL TPCL	11.744	291.213	1) MSEDCL Bilateral	3.884	177.460
3) REL Thermal	9.845	192.871	Include PX	-11.319	-96.957
D) STATE			2) MUMBAI Bilateral	16.540	314.005
1) Thermal (A1+C1+C3)	158.391	2485.284	Include PX	2.346	85.857
2) Hydro (A2+B6+C2)	10.087	227.520	3) MUMBAI Schedule	16.540	314.107
3) Gas (A3)	7.412	115.363	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.359	81.339	1) MSEDCL	290.632	4869.492
5) CPP/IPP (B1+B2+B3+B4)	59.419	648.720	2) TPCL	28.039	554.373
6) SOLAR (B7)	1.112	17.276	3) REL	16.647	307.088
TOTAL STATE	240.780	3575.502	TOTAL STATE	335.318	5730.953

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5569	5668	5719
MSGENCO Hydro	826	549	100
MSGENCO Gas	293	305	322
MSGENCO Total Generation	6688	6522	6141
Central Sector Receipt	4301	4297	3774
WIND	68	313	220
CPP / IPP	2414	2470	2415
SOLAR	181	0	0
Exchange with Mumbai	-928	-1251	-738
MSEDCL DEMAND MET	12724	12351	11812
Load Shedding	81	57	57
MSEDCL DEMAND	12805	12408	11869
TPCL GENERATION	497	506	497
R-INFRA GENERATION	389	393	390
TPCL+R-INFRA DEMAND	1814	2150	1625
STATE DEMAND MET	14538	14501	13437
STATE DEMAND	14619	14558	13494
Frequency (Hz)	50.07	50.04	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 17:53 Hrs	49.75 Hz at 18:44 Hrs	50.06	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 17/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	3.36	56.71	159	105	140
Unit 7	3.52	59.38	165	120	155
Total	6.88	116.09			295
Bhusawal					
Unit 2	3.22	43.65	145	125	140
Unit 3	3.12	52.76	150	110	140
Unit 4	8.86	99.48	440	350	430
Unit 5	8.55	137.48	380	340	376
Total	23.76	333.38			1086
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.47	52.80	163	132	160
Unit 5	3.54	34.54	169	135	160
Unit 6	4.26	77.08	212	170	180
Unit 7	4.17	76.14	203	170	180
Total	15.44	240.57			680
Chandrapur					
Unit 1	3.34	54.44	147	133	140
Unit 2	3.83	54.21	171	148	160
Unit 3	4.26	63.15	187	166	180
Unit 4	4.65	74.22	210	172	210
Unit 5	9.92	134.62	450	359	440
Unit 6	9.48	122.23	430	330	400
Unit 7	8.18	134.42	395	211	400
Total	43.66	637.28			1930
Paras					
Unit 3	5.34	65.24	240	190	250
Unit 4	5.34	84.30	243	195	250
Total	10.68	149.54			500
Khaparkheda					
Unit 1	3.65	62.06	160	135	180
Unit 2	3.68	59.16	175	135	180
Unit 3	3.93	68.63	175	155	195
Unit 4	3.73	23.98	166	147	200
Unit 5	8.94	159.91	432	347	500
Total	23.92	373.76			1255
Nasik					
Unit 3	4.06	55.79	175	160	190
Unit 4	4.30	73.26	190	172	190
Unit 5	4.23	71.98	187	170	190
Total	12.59	201.04			570
Uran					
All Units	7.41	115.36	324	289	290
Total	7.41	115.36			290
PENCH (MS)					
Pench (MS)	0.08	4.30	23	0	0
Total	0.08	4.30			0
Koyna					
Stage 1-2	3.60	44.74	485	40	600
Stage 4	1.06	38.96	280	0	250
Stage 3	1.00	18.35	160	0	320
Kovna 12&4 Total	4.66	83.70			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.66	102.04			1170
Hydro					
KDPH	0.44	8.94	19	18	36
VTRNA	0.32	0.32	61	0	0
TILLARI	0.40	6.76	64	0	60
BHTGR/VEER	0.00	0.01	0	0	0
BHIRA T.R.	0.17	2.46	41	0	40
RNGR+BHTSA	0.28	5.37	15	0	0
BHANDARDRA	0.00	8.48	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.62	14.60	26	25	14
GHATGHAR	1.97	23.78	250	0	0
Total	4.21	70.73			150
Wind					
MalharPeth	0.14	2.90			
Vankuswadi	0.28	5.26			
ATIT	0.03	0.49			
Kale	0.09	1.00			
Satara	1.06	21.43			
Shirala	0.08	1.65			
K Mahankal	0.02	0.26			
Supa	0.04	1.92			
Vita	0.53	12.33			
Dondaicha	1.57	20.72			
Sakri	0.24	2.34			
Nandurbar	0.15	1.57			
Khandke	0.05	5.39			
Khaparale	0.08	4.08			
Total	4.36	81.34			
CPP					
JSW JAIGAD	11.13	263.62	489	452	501
WARDHA	4.21	72.48	178	173	175
Adani	27.74	544.36	1498	999	1851
Other CPPs	16.34	284.88			465
Total	59.42	1165.34			2992
SOLAR					
Total	1.11	17.28			
Total	1.11	17.28			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.20	166.70	316	226	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.78	46.83	120	114	120
Trombay 7B	1.62	27.24	69	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.13	50.45	45	0	447
Total	11.74	291.21			1127
REL					
1&2	9.84	192.87	521	389	500
Total	9.84	192.87			500
Cent Sect					
Share					3799
Total					3799
MS PG CL	Thermal	136.94	2051.65		6316
	Thml+Gas	144.35	2167.01		6606
	Hydro	9.87	172.77		1320
	Total	154.22	2339.78		7926
State Total		240.78	3575.50		16344

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	5703	100	322	6125	77	2839	0	3750	4201	-819	-1063	12202	98	12300	1928	14228	49.95
2	5876	100	322	6298	213	2524	0	3576	3874	-686	-831	12088	79	12167	1786	13953	50.03
3	5828	100	323	6251	280	2493	0	3759	3816	-605	-783	12057	71	12128	1696	13824	49.99
4	5729	100	323	6152	280	2416	0	3783	3870	-566	-822	11896	57	11953	1626	13579	50.03
5	5719	100	322	6141	220	2415	0	3765	3774	-554	-738	11812	57	11869	1625	13494	50.01
6	5783	143	323	6249	234	2476	0	3914	4199	-593	-784	12374	65	12439	1672	14111	50.06
7	5820	193	324	6337	282	2478	1	3917	4118	-617	-758	12458	71	12529	1690	14219	50.07
8	5826	225	324	6375	253	2482	23	3637	3929	-572	-794	12279	87	12366	1685	14051	50.13
9	6036	528	314	6878	112	2508	69	3575	3661	-586	-757	12471	87	12558	1745	14303	50.12
10	5734	512	302	6548	127	2420	101	3602	3995	-639	-844	12347	78	12425	1761	14186	50.02
11	5589	693	298	6580	87	2411	123	3762	4096	-788	-900	12397	77	12474	1787	14261	49.99
12	5569	826	293	6688	68	2414	181	3701	4301	-800	-928	12724	81	12805	1814	14619	50.07
13	5558	588	289	6435	39	2477	151	3767	4342	-777	-983	12461	142	12603	1875	14478	50.02
14	5626	738	296	6660	34	2447	149	3697	4285	-701	-996	12579	79	12658	1885	14543	50.09
15	5739	558	297	6594	34	2530	119	3745	4331	-748	-974	12645	64	12709	1863	14572	50.12
16	5814	503	298	6615	107	2439	94	3738	4240	-742	-966	12549	56	12605	1859	14464	50.10
17	5780	336	300	6416	131	2478	78	3356	3904	-707	-970	12047	57	12104	1860	13964	50.09
18	5644	112	305	6061	228	2456	21	3186	3314	-670	-961	11119	55	11174	1856	13030	50.22
19	5437	218	301	5956	303	2301	2	3440	3678	-713	-997	11243	55	11298	1902	13200	49.96
20	5573	813	301	6687	244	2475	0	3669	3923	-722	-1160	12169	57	12226	2102	14328	49.99
21	5668	549	305	6522	313	2470	0	3715	4297	-759	-1251	12351	57	12408	2150	14558	50.04
22	5632	870	305	6807	235	2503	0	2912	3444	-678	-1286	11703	57	11760	2189	13949	50.04
23	5634	724	313	6671	225	2504	0	2914	3206	-682	-1289	11317	57	11374	2177	13551	50.16
24	5619	239	312	6170	233	2463	0	3191	3742	-816	-1264	11344	57	11401	2155	13556	50.18
MUs	136.94	9.87	7.41	154.22	4.36	59.42	1.11	86.07	94.54	-16.54	-23.10	290.63	1.70	292.33	44.69	337.02	50.06

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 17/Mar/2014

Position as on 6.30 Hrs of 18/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.	Condinsor Tube Leakage.	
Cent_Sect Tarapur 2	160	13/03/2014	11:02		Continued.	Trip while Functional check.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
Chandrapur Unit 7	500	18/03/2014	00.25		Continued.	Hydrogen gas leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Mar/2014

Position as on 6.30 Hrs of 18/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
A"Bad - A'Bad (PG)- II	07/03/2014	15.11		Continued.	Outage.(lilo bypass)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Chikodi	17/03/2014	11.14	17/03/2014	19.37	Due to outage on Mudshingi-Talandage-I.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	16/03/2014	16.09		Continued.	over voltage
Dhule-Sar'Sarovar - I	16/03/2014	20.16		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Solapur-Solapur(PGCIL)	26/02/2014	19.39	17/03/2014	20.22	Distance Protection.tower collepse loc 110
Karad - Solapur (PGCIL)	26/02/2014	19.54	17/03/2014	22.45	Distance Protection.
Kolhapur-Solapur (PG) II	10/03/2014	19.38		Continued.	Dist.Prot,Conductor Snap at 47 Kms.from Solapur PG at Loc no 128,129 collapse.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-II @ BBLSR	17/03/2014	13.20	17/03/2014	15.58	Jumper work.
Karad-Lamboti	17/03/2014	15.00	17/03/2014	20.22	To remove bunching arrangement work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pedambe-Mahad	17/03/2014	07.05	17/03/2014	19.45	PM of 220KV Main Bus isolators.
Pophali - Pedambe - I	17/03/2014	07.15	17/03/2014	19.55	To attend unwound & cut strands of B-Ph W/T.
Main Bus - I @ Pedambe	17/03/2014	07.16	17/03/2014	19.25	PM of 220KV Main Bus isolators.
Pedambe-Newkoyna	17/03/2014	07.16	17/03/2014	20.18	PM of 220KV Main Bus isolators.
Mudshingi-Talangade - I	17/03/2014	11.50	17/03/2014	17.37	DSN work of tower,repl of string.
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)
Dabhol-Nagothane - II	28/02/2014	21.35		Continued.	Over Voltage.
Warora-Tiroda-I	17/03/2014	1.53		Continued.	emergency outage due to heavy sparking at b ph wave trapat warora end
Lonikand- Koyna Stage IV	17/03/2014	23.59		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	16/03/2014	15.35		Continued.	over voltage
Khadka - Aurangabad	16/03/2014	17.07		Continued.	over voltage
Karad-Kolhapur-II	16/03/2014	17.08		Continued.	over voltage
Warora-Tiroda-I	17/03/2014	01.53	18/03/2014	06.37	Heavy sparking observed B-Ph wavetrap at Warora end.
Karad - Kolhapur - I	17/03/2014	16.33	17/03/2014	22.15	Over Voltage.
Nagothane-Dabhol-I	17/03/2014	17.06		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	16/03/2014	20.10		Continued.	y -phase ct burst bus bar port operate
Chikhali - Jalna - II	16/03/2014	20.10		Continued.	bus bar port opt.
Khaperkheda - Ambazari -	17/03/2014	15.23	17/03/2014	20.01	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Mar/2014

Position as on 6.30 Hrs of 18/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II					
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari - Amravati	17/03/2014	13.36	17/03/2014	21.37	132KV Bus Bar Prot.Optd.
Amravati - Tiwsa	17/03/2014	13.36	17/03/2014	13.54	132KV Bus Bar Prot.Optd.
Interconnector at Amravati	17/03/2014	13.36	17/03/2014	13.43	132KV Bus Bar Prot.Optd.
Half Bus Sec.I at Amravati	17/03/2014	13.36	17/03/2014	13.43	132KV Bus Bar Prot.Optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	165
	620	310
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	430
Unit 5	500	376
	1420	1086
Parli		
Unit 3	210	0
Unit 4	210	142
Unit 5	210	135
Unit 6	250	172
Unit 7	250	172
	1130	621
Chandrapur		
Unit 1	210	145
Unit 2	210	165
Unit 3	210	190
Unit 4	210	210
Unit 5	500	440
Unit 6	500	420
Unit 7	500	0
	2340	1570
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	195
Unit 4	210	200
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	10
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	5
GHATGHAR	250	
	611	194
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	414
WARDHA	405	180
Adani	1980	1851
Other CPPs	300	465
	3885	2910
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	5393
	3455	5393