



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/May/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.420	2975.779	1) Gujrat	3.416	186.421
2) Hydro	8.747	372.735	2) Madhya Pradesh	21.102	523.431
3) Gas	11.838	314.581	3) Chattisgarh	9.400	219.270
Total MSGENCO	131.005	3663.095	4) Maharashtra Net	92.671	2190.757
B) 1) JSW JAIGAD	19.440	501.587	(Incl. 765kV Solapur-Raichur)	-1.390	-11.848
2) WPCL	2.546	67.930	5) Goa	-7.024	-173.383
3) ADANI	42.810	998.423	6) TAPS 1&2 Injection	7.348	184.979
4) Other CPP / IPP	23.060	558.656	7) RGPPL Injection	0.000	0.000
5) Wind Generation	19.282	317.083	8) Pench (Excess)	-0.071	-4.545
6) PENCH (MS)	0.071	4.545	# Total Cent. Sector	126.842	3126.930
7) SOLAR	1.236	25.168	F) Other Exchanges		
C) 1) TPCL Thermal	18.162	462.786	1) With TPCL (Excess)	-21.644	-642.751
2) TPCL Hydro	0.800	101.925	G) Bilateral Power *		
TOTAL TPCL	18.962	564.711	1) MSEDCL Bilateral	31.281	668.794
3) REL Thermal	12.254	306.042	Include PX	8.480	107.403
D) STATE			2) MUMBAI Bilateral	22.161	680.562
1) Thermal (A1+C1+C3)	140.836	3744.607	Include PX	1.571	69.983
2) Hydro (A2+B6+C2)	9.618	479.205	3) MUMBAI Schedule	22.161	681.804
3) Gas (A3)	11.838	314.581	H) ENERGY CATERED (MUs)		
4) Wind (B5)	19.282	317.083	1) MSEDCL	344.648	8620.666
5) CPP/IPP (B1+B2+B3+B4)	87.856	2126.596	2) TPCL	33.238	963.941
6) SOLAR (B7)	1.236	25.168	3) REL	19.621	549.534
TOTAL STATE	270.666	7007.240	TOTAL STATE	397.507	10134.141

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4476	4705	4528
MSGENCO Hydro	734	215	193
MSGENCO Gas	457	496	460
MSGENCO Total Generation	5667	5416	5181
Central Sector Receipt	6193	5703	5375
WIND	257	856	854
CPP / IPP	3637	3618	3612
SOLAR	129	69	0
Exchange with Mumbai	-739	-961	-746
MSEDCL DEMAND MET	15144	14721	14276
Load Shedding	835	932	103
MSEDCL DEMAND	15979	15653	14379
TPCL GENERATION	785	755	772
R-INFRA GENERATION	520	517	518
TPCL+R-INFRA DEMAND	2044	2233	2036
STATE DEMAND MET	17188	16954	16312
STATE DEMAND	18023	17886	16415
Frequency (Hz)	49.96	49.93	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 17.12 Hrs	49.64 Hz at 00.06 Hrs	49.95	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 25/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	3.76	78.62	166	145	146
Unit 7	0.74	83.54	135	0	0
Total	4.49	162.16			146
Bhusawal					
Unit 2	3.15	71.32	140	120	110
Unit 3	3.24	64.56	165	125	140
Unit 4	9.35	210.41	495	295	320
Unit 5	0.00	170.91	0	0	0
Total	15.74	517.20			570
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.82	31.14	175	143	164
Unit 5	3.71	94.33	163	143	164
Unit 6	4.73	117.04	250	185	186
Unit 7	4.12	90.82	250	0	192
Total	16.38	333.34			706
Chandrapur					
Unit 1	3.19	81.68	142	115	141
Unit 2	3.88	79.76	166	149	165
Unit 3	3.08	27.66	160	77	103
Unit 4	4.76	108.97	202	192	185
Unit 5	2.31	164.76	412	0	0
Unit 6	8.99	227.19	405	335	385
Unit 7	9.02	213.82	400	319	410
Total	35.23	903.83			1389
Paras					
Unit 3	4.76	98.58	208	182	210
Unit 4	5.23	115.31	228	208	220
Total	9.98	213.88			430
Khaparkheda					
Unit 1	3.33	88.08	155	125	150
Unit 2	0.82	80.92	145	0	0
Unit 3	3.35	80.92	155	110	150
Unit 4	3.24	84.75	153	93	150
Unit 5	9.07	212.15	490	325	500
Total	19.81	546.81			950
Nasik					
Unit 3	4.34	108.18	190	170	190
Unit 4	4.44	101.72	195	168	190
Unit 5	0.00	88.66	0	0	0
Total	8.78	298.55			380
Uran					
All Units	11.84	314.58	592	440	600
Total	11.84	314.58			600
PENCH (MS)					
Pench (MS)	0.07	4.54	20	0	0
Total	0.07	4.54			0
Koyna					
Stage 1-2	2.74	92.04	400	40	600
Stage 4	2.27	123.24	420	0	250
Stage 3	1.21	49.18	190	0	320
Kovna 12&4 Total	5.01	215.28			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.22	264.46			1170
Hydro					
KDPH	0.18	6.50	12	0	12
VTRNA	1.14	29.68	61	0	61
TILLARI	0.00	11.64	0	0	60
BHTGR/VEER	0.00	1.37	0	0	4
BHIRA T.R.	0.33	6.69	40	0	40
RNGR+BHTSA	0.27	5.66	12	11	15
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.60	15.27	33	22	15
GHATGHAR	0.00	18.92	0	0	0
Total	2.52	108.28			207
Wind					
MalharPeth	0.47	5.34			
Vankuswadi	1.01	12.14			
ATIT	0.12	1.29			
Kale	0.32	3.30			
Satara	6.76	104.42			
Shirala	0.58	6.02			
K Mahankal	0.06	0.75			
Supa	0.29	3.27			
Vita	2.08	26.22			
Dondaicha	4.98	110.05			
Sakri	0.70	14.51			
Nandurbar	0.51	10.31			
Khandke	0.57	6.85			
Khaparale	0.82	12.62			
Total	19.28	317.08			
CPP					
JSW JAIGAD	19.44	501.59	898	766	823
WARDHA	2.55	67.93	109	104	105
Adani	42.81	998.42	1864	1585	1851
Other CPPs	23.06	558.66			897
Total	87.86	2126.60			3676
SOLAR					
Total	1.24	25.17			
Total	1.24	25.17			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.91	259.10	445	318	400
Trombay 6	3.75	97.25	157	156	500
Trombay 7A	2.88	67.28	124	114	120
Trombay 7B	1.62	39.16	69	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.80	101.92	161	0	447
Total	18.96	564.71			1527
REL					
1&2	12.25	306.04	521	410	500
Total	12.25	306.04			500
Cent Sect					
Share					5550
Total					5550
MS PG CL	Thermal	110.42	2975.78		4571
	Thml+Gas	122.26	3290.36		5171
	Hydro	8.75	372.74		1377
	Total	131.00	3663.10		6548
State Total		270.67	7007.24		17801

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4559	884	458	5901	979	3776	0	5184	5662	-951	-936	15382	27	15409	2384	17793	49.91
2	4534	529	457	5520	993	3727	0	5155	5037	-915	-908	14369	63	14432	2245	16677	49.89
3	4535	574	458	5567	978	3707	0	5087	5270	-811	-816	14706	63	14769	2158	16927	49.90
4	4510	334	459	5303	921	3666	0	5110	5489	-745	-784	14595	72	14667	2079	16746	49.89
5	4528	193	460	5181	854	3612	0	5256	5375	-764	-746	14276	103	14379	2036	16415	49.88
6	4482	338	460	5280	796	3703	2	5187	5471	-779	-772	14480	367	14847	2059	16906	49.88
7	4297	248	462	5007	694	3613	17	5022	5084	-853	-671	13744	1004	14748	1962	16710	49.98
8	4415	138	460	5013	666	3692	42	5031	5347	-870	-636	14124	1230	15354	1929	17283	49.97
9	4415	187	457	5059	455	3632	87	5058	5250	-903	-709	13774	1221	14995	1958	16953	49.95
10	4476	734	457	5667	257	3637	129	5510	6193	-880	-739	15144	835	15979	2044	18023	49.96
11	4511	886	455	5852	189	3611	150	5795	5901	-890	-818	14885	702	15587	2128	17715	49.96
12	4588	751	450	5789	257	3729	164	5771	5932	-905	-838	15033	716	15749	2172	17921	49.90
13	4825	356	440	5621	271	3684	162	5632	5648	-975	-955	14431	811	15242	2263	17505	49.93
14	4849	205	440	5494	299	3701	159	5552	5270	-963	-966	13957	695	14652	2240	16892	49.94
15	4869	210	442	5521	423	3688	125	5598	5862	-964	-979	14640	617	15257	2266	17523	49.98
16	4749	256	445	5450	583	3664	100	5588	5459	-956	-969	14287	787	15074	2279	17353	49.88
17	4705	215	496	5416	856	3618	69	5261	5703	-969	-961	14721	932	15653	2233	17886	49.93
18	4667	242	580	5489	1283	3595	26	4635	4390	-924	-905	13885	547	14432	2175	16607	50.00
19	4640	237	570	5447	1503	3427	4	4342	4123	-847	-1012	13492	193	13685	2176	15861	50.11
20	4657	237	570	5464	1431	3554	0	4691	4571	-999	-1224	13813	151	13964	2323	16287	50.08
21	4739	227	590	5556	1257	3710	0	4813	4743	-1052	-1099	14187	76	14263	2381	16644	49.98
22	4617	227	590	5434	1184	3572	0	4840	4892	-1064	-1060	14029	28	14057	2406	16463	49.98
23	4647	232	590	5469	1087	3747	0	4829	4956	-1068	-1051	14208	23	14231	2459	16690	49.93
24	4606	307	592	5505	1066	3791	0	4845	5214	-1114	-1090	14486	21	14507	2505	17012	49.95
MUs	110.42	8.75	11.84	131.00	19.28	87.86	1.24	123.79	126.84	-22.16	-21.64	344.65	11.28	355.93	52.86	408.79	49.95

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 25/May/2014

Position as on 6.30 Hrs of 26/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	
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	25/05/2014	15.20	No Schedule.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Chandrapur Unit 5	500	21/05/2014	12.46	25/05/2014	14.37	BLR T/L.	
Bhusawal Unit 5	500	23/05/2014	09.02	26/05/2014	06.30	Boiler Tube Leakage	
Uran Unit 5	108	23/05/2014	11.14	25/05/2014	16.06	Gas Shortage	
Parli Unit 7	250	25/05/2014	21.18	26/05/2014	03.56	Air Heater Problem.	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/May/2014

Position as on 6.30 Hrs of 26/May/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		
Kolhapur - Mapusa - I	24/05/2014	17.37	25/05/2014	07.24	maintenace work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	25/05/2014	16.39	26/05/2014	09.10	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Newkoyna - I	26/05/2014	11.54	26/05/2014	16.00	For Armoring in Span No.185-186 B Ph.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Uran - Apta (HOC)	23/05/2014	06.19	25/05/2014	18.50	Replacement of Tower.
Uran-Apta-II	23/05/2014	06.44	25/05/2014	19.15	Replacement of Tower.
Padgha-Vasai	25/05/2014	07.01	25/05/2014	12.42	Pre Mansoon Maint.
Kalwa - Salshet - III	25/05/2014	07.18	25/05/2014	10.24	CT Tan Delta & R M Work.
Kalwa - Salshet - IV	25/05/2014	10.33	25/05/2014	13.00	C T Tan Delta & R M Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	24/05/2014	16.38	25/05/2014	6.34	over voltage
Bhusawal- Aurangabad	24/05/2014	17.34	25/05/2014	08.50	over voltage
Karad - Kolhapur - II	25/05/2014	16.15	26/05/2014	06.48	Over Voltage.
Karad-Jaigad I	25/05/2014	16.37	26/05/2014	06.52	Over Voltage.
Bhusawal- Aurangabad	25/05/2014	17.12	26/05/2014	07.20	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		
Deepnagar-Tapitatanda	24/05/2014	21.58	26/05/2014	08.52	distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Beed - Talegaon	26/05/2014	19.02	26/05/2014	19.37	Distance Protection,R & B Z-III.
Akola - Gorakshan	26/05/2014	19.18	26/05/2014	19.40	Distance Protection,R Ph Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	0
	620	170
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	300
Unit 5	500	0
	1420	560
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	145
Unit 6	250	185
Unit 7	250	190
	1130	670
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	160
Unit 4	210	210
Unit 5	500	410
Unit 6	500	360
Unit 7	500	370
	2340	1810
Paras		
Unit 3	250	210
Unit 4	250	250
	500	460
Khaparkheda		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	140
Unit 4	210	140
Unit 5	500	350
	1340	770
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	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	11
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	11
GHATGHAR	250	
	611	133
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	105
Adani	2640	1823
Other CPPs	300	915
	4545	3943
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	5810
	3455	5810

	21940	18463
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