



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/May/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.842	2865.359	1) Gujrat	2.354	183.005
2) Hydro	23.529	363.988	2) Madhya Pradesh	19.959	502.329
3) Gas	10.492	302.743	3) Chattisgarh	8.750	209.870
Total MSGENCO	139.863	3532.090	4) Maharashtra Net	88.189	2098.086
B) 1) JSW JAIGAD	21.058	482.147	(Incl. 765kV Solapur-Raichur)	-1.468	-10.458
2) WPCL	2.519	65.384	5) Goa	-6.718	-166.359
3) ADANI	43.162	955.613	6) TAPS 1&2 Injection	7.341	177.631
4) Other CPP / IPP	24.752	535.596	7) RGPPL Injection	0.000	0.000
5) Wind Generation	15.805	297.801	8) Pench (Excess)	-0.297	-4.474
6) PENCH (MS)	0.297	4.474	# Total Cent. Sector	119.578	3000.088
7) SOLAR	1.209	23.932	F) Other Exchanges		
C) 1) TPCL Thermal	18.293	444.624	1) With TPCL (Excess)	-22.500	-621.107
2) TPCL Hydro	5.978	101.125	G) Bilateral Power *		
TOTAL TPCL	24.271	545.749	1) MSEDCL Bilateral	22.068	637.513
3) REL Thermal	12.446	293.788	Include PX	0.587	98.923
D) STATE			2) MUMBAI Bilateral	24.333	658.401
1) Thermal (A1+C1+C3)	136.581	3603.771	Include PX	-0.020	68.412
2) Hydro (A2+B6+C2)	29.804	469.587	3) MUMBAI Schedule	24.496	659.642
3) Gas (A3)	10.492	302.743	H) ENERGY CATERED (MUs)		
4) Wind (B5)	15.805	297.801	1) MSEDCL	345.743	8276.018
5) CPP/IPP (B1+B2+B3+B4)	91.491	2038.740	2) TPCL	37.508	930.703
6) SOLAR (B7)	1.209	23.932	3) REL	21.710	529.913
TOTAL STATE	285.382	6736.574	TOTAL STATE	404.961	9736.634

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	4728	4546	4210
MSGENCO Hydro	1181	1816	399
MSGENCO Gas	425	425	445
MSGENCO Total Generation	6334	6787	5054
Central Sector Receipt	5155	5147	5149
WIND	433	390	910
CPP / IPP	3862	3952	3762
SOLAR	183	101	0
Exchange with Mumbai	-1069	-1009	-750
MSEDCL DEMAND MET	14905	15368	14125
Load Shedding	940	939	272
MSEDCL DEMAND	15845	16307	14397
TPCL GENERATION	1174	1183	774
R-INFRA GENERATION	520	519	517
TPCL+R-INFRA DEMAND	2763	2711	2041
STATE DEMAND MET	17668	18079	16166
STATE DEMAND	18608	19018	16438
Frequency (Hz)	49.78	49.76	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 06.03 Hrs	49.65 Hz at 10.16 Hrs	49.86	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 24/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	2.53	74.87	158	0	140
Unit 7	3.13	82.80	143	120	140
Total	5.66	157.67			280
Bhusawal					
Unit 2	1.44	68.17	135	0	0
Unit 3	3.24	61.32	150	125	140
Unit 4	9.01	201.06	475	270	345
Unit 5	0.00	170.91	0	0	0
Total	13.69	501.46			485
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.82	27.32	178	86	165
Unit 5	3.79	90.62	166	143	160
Unit 6	4.75	112.31	250	187	188
Unit 7	4.62	86.71	226	178	187
Total	16.98	316.95			700
Chandrapur					
Unit 1	3.22	78.48	139	126	135
Unit 2	3.78	75.88	166	141	150
Unit 3	0.10	24.58	55	0	0
Unit 4	4.50	104.22	205	163	193
Unit 5	0.00	162.44	0	0	0
Unit 6	9.58	218.20	420	364	398
Unit 7	9.04	204.80	395	350	394
Total	30.22	868.60			1270
Paras					
Unit 3	1.96	93.82	207	0	0
Unit 4	5.48	110.08	241	212	230
Total	7.44	203.90			230
Khaparkheda					
Unit 1	3.23	84.75	155	95	150
Unit 2	3.24	80.10	150	85	150
Unit 3	3.36	77.57	149	125	150
Unit 4	3.44	81.50	152	139	150
Unit 5	8.45	203.08	500	315	500
Total	21.71	527.00			1100
Nasik					
Unit 3	4.32	103.84	185	170	190
Unit 4	4.55	97.28	195	182	190
Unit 5	1.26	88.66	176	0	190
Total	10.13	289.77			570
Uran					
All Units	10.49	302.74	449	425	430
Total	10.49	302.74			430
PENCH (MS)					
Pench (MS)	0.30	4.47	27	0	
Total	0.30	4.47			
Koyna					
Stage 1-2	5.94	89.30	480	50	600
Stage 4	10.23	120.96	1120	0	250
Stage 3	4.09	47.97	320	0	320
Kovna 12&4 Total	16.16	210.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.26	258.23			1170
Hydro					
KDPH	0.00	6.31	0	0	12
VTRNA	1.09	28.54	61	0	61
TILLARI	0.35	11.64	63	0	60
BHTGR/VEER	0.00	1.37	0	0	7
BHIRA T.R.	0.41	6.36	40	0	40
RNGR+BHTSA	0.27	5.39	12	11	14
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.63	14.67	34	24	13
GHATGHAR	0.52	18.92	125	0	0
Total	3.27	105.76			207
Wind					
MalharPeth	0.30	4.88			
Vankuswadi	0.52	11.13			
ATIT	0.05	1.17			
Kale	0.18	2.97			
Satara	4.51	97.66			
Shirala	0.40	5.44			
K Mahankal	0.03	0.69			
Supa	0.23	2.98			
Vita	1.09	24.14			
Dondaicha	6.06	105.07			
Sakri	0.87	13.80			
Nandurbar	0.57	9.80			
Khandke	0.43	6.27			
Khaparale	0.58	11.80			
Total	15.80	297.80			
CPP					
JSW JAIGAD	21.06	482.15	908	821	890
WARDHA	2.52	65.38	107	99	105
Adani	43.16	955.61	1890	1720	1851
Other CPPs	24.75	535.60			915
Total	91.49	2038.74			3761
SOLAR					
Total	1.21	23.93			
Total	1.21	23.93			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.24	249.19	437	421	400
Trombay 6	3.75	93.50	157	156	500
Trombay 7A	2.73	64.40	124	88	120
Trombay 7B	1.57	37.54	69	57	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.98	101.12	471	0	447
Total	24.27	545.75			1527
REL					
1&2	12.45	293.79	522	515	500
Total	12.45	293.79			500
Cent Sect					
Share					5076
Total					5076
MS PG CL	Thermal	105.84	2865.36		4635
	Thml+Gas	116.33	3168.10		5065
	Hydro	23.53	363.99		1377
	Total	139.86	3532.09		6442
State Total		285.38	6736.57		17306

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4260	1333	442	6035	858	3711	0	4884	4964	-998	-1018	14577	170	14747	2493	17240	49.83
2	4309	943	442	5694	897	3737	0	4817	4781	-890	-929	14187	231	14418	2292	16710	49.85
3	4357	526	442	5325	988	3733	0	4733	5000	-788	-872	14174	256	14430	2153	16583	49.92
4	4179	362	444	4985	948	3771	0	4751	5282	-718	-791	14195	264	14459	2079	16538	49.94
5	4210	399	445	5054	910	3762	0	4787	5149	-680	-750	14125	272	14397	2041	16438	49.94
6	4264	595	447	5306	899	3700	0	4653	5055	-771	-751	14209	432	14641	2041	16682	49.94
7	4345	412	449	5206	900	3726	9	4759	4786	-973	-720	13920	1020	14940	2016	16956	49.97
8	4382	252	445	5079	725	3669	39	4710	5080	-874	-791	13828	1166	14994	2069	17063	49.87
9	4300	746	434	5480	640	3875	79	4610	5075	-984	-949	14227	1165	15392	2237	17629	49.84
10	4284	1324	432	6040	598	3833	125	4554	4830	-1038	-954	14499	889	15388	2501	17889	49.77
11	4251	1271	427	5949	401	3904	147	4676	4922	-1123	-966	14384	845	15229	2692	17921	49.77
12	4389	1419	425	6233	445	3834	170	4798	4787	-1206	-1034	14462	869	15331	2788	18119	49.78
13	4728	1181	425	6334	433	3862	183	4940	5155	-1252	-1069	14905	940	15845	2763	18608	49.78
14	4844	1225	425	6494	413	3862	131	4903	5159	-1228	-1070	14989	821	15810	2725	18535	49.76
15	4848	1521	425	6794	417	3767	121	5091	5222	-1247	-1065	15256	739	15995	2745	18740	49.77
16	4546	1816	425	6787	390	3952	101	5054	5147	-1221	-1009	15368	939	16307	2711	19018	49.76
17	4426	1919	431	6776	405	3883	69	4677	4965	-1166	-1004	15094	1056	16150	2716	18866	49.86
18	4363	736	435	5534	458	3909	27	4597	4602	-1103	-1069	13474	939	14413	2632	17045	49.97
19	4415	249	439	5103	707	3859	4	4519	4776	-1071	-960	13516	638	14154	2517	16671	49.97
20	4391	592	442	5425	683	3796	0	4578	5108	-1046	-907	14132	683	14815	2570	17385	49.88
21	4411	990	446	5847	764	3827	4	4599	5082	-1045	-959	14592	477	15069	2676	17745	49.85
22	4362	1104	441	5907	632	3910	0	4649	4985	-1032	-957	14491	314	14805	2653	17458	49.87
23	4484	1260	442	6186	628	3873	0	4657	4724	-1025	-968	14443	239	14682	2574	17256	49.80
24	4494	1354	442	6290	666	3736	0	4700	4942	-1018	-938	14696	229	14925	2533	17458	49.83
MUs	105.84	23.53	10.49	139.86	15.80	91.49	1.21	113.70	119.58	-24.50	-22.50	345.74	15.59	361.34	59.22	420.55	49.86

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 24/May/2014

Position as on 6.30 Hrs of 25/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.	
Koradi Unit 6	210	21/05/2014	20:15	24/05/2014	04.42	ID Fan Problem	
Bhusawal Unit 2	210	21/05/2014	22.34	24/05/2014	11.25	Coal Shortage.	
Chandrapur Unit 3	210	22/05/2014	00.55	24/05/2014	21.05	PA Fan problem	
Uran Unit 5	108	23/05/2014	11.14	25/05/2014	16.06	Gas Shortage	
Paras Unit 3	250	24/05/2014	03.02	24/05/2014	12.22	PA Fan Vibration	
Parli Unit 3	210	24/05/2014	3.02	24/05/2014	12.24	PA Fan vabration	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/May/2014

Position as on 6.30 Hrs of 25/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		
Dabhol - NewKoyna - II	22/05/2014	09.17	24/05/2014	23.14	Cold Washing, RFC at 19.24Hrs.
Kolhapur - Mapusa - I	24/05/2014	17.37	25/05/2014	07.24	maintenance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	24/05/2014	8.04	24/05/2014	19.55	maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	23/05/2014	17.17	24/05/2014	9.35	over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315 MVA ICT-I @ Padgha	23/05/2014	07.50	24/05/2014	00.59	Repl.Of 400KV C Bus Conductor Insection ICT
Padgha - Padgha HVDC - I	24/05/2014	9.23	24/05/2014	9.34	bus shifting
Padgha - Padgha HVDC - II	24/05/2014	9.35	24/05/2014	9.44	bus shifting
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.
Lonikand -Theur - II	24/05/2014	00.30	24/05/2014	03.05	Hot Spot
Theur - Magarpatta	24/05/2014	9.00	24/05/2014	13.00	half yearly maintance
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 : 132KV			Outage Type PLANNED OUTAGE		
BBLSR - Sangamner	24/05/2014	10.05	24/05/2014	14.10	testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	23/05/2014	17.24	24/05/2014	7.35	Over Voltage.
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
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	146
Unit 7	210	0
	620	146
Bhusawal		
Unit 2	210	110
Unit 3	210	140
Unit 4	500	320
Unit 5	500	0
	1420	570
Parli		
Unit 3	210	0
Unit 4	210	164
Unit 5	210	164
Unit 6	250	186
Unit 7	250	192
	1130	706
Chandrapur		
Unit 1	210	141
Unit 2	210	165
Unit 3	210	103
Unit 4	210	185
Unit 5	500	0
Unit 6	500	385
Unit 7	500	410
	2340	1389
Paras		
Unit 3	250	210
Unit 4	250	220
	500	430
Khaparkheda		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	150
Unit 4	210	150
Unit 5	500	500
	1340	950
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	600
	852	600
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	207
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	823
WARDHA	405	105
Adani	2640	1851
Other CPPs	300	897
	4545	3676
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1527
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5550
	3455	5550

	21940	17801
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