



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/May/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.349	1715.098	1) Gujrat	11.613	189.562
2) Hydro	22.043	235.399	2) Madhya Pradesh	19.297	301.046
3) Gas	7.338	129.481	3) Chattisgarh	9.620	136.900
Total MSGENCO	145.730	2079.978	4) Maharashtra	63.601	966.048
B) 1) JSW JAIGAD	26.911	403.563	5) Goa	-6.369	-94.336
2) WPCL	7.782	116.529	6) TAPS 1&2 Injection	3.777	57.225
3) ADANI	11.610	210.710	7) RGPPL Injection	0.000	120.578
4) Other CPP / IPP	11.465	155.258	8) Pench (Excess)	-0.097	-2.715
5) Wind Generation	14.519	206.497	# Total Cent. Sector	101.442	1674.308
6) PENCH (MS)	0.097	2.715	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.153	-225.012
1) TPCL Thermal	28.635	404.904	G) Bilateral Power *		
2) TPCL Hydro	4.825	57.520	1) MSEDCL Bilateral	39.951	583.249
TOTAL TPCL	33.460	462.424	Include PX	3.376	42.116
3) REL Thermal	12.535	186.062	2) MUMBAI Bilateral	15.980	236.392
D) STATE			Include PX	2.838	60.030
1) Thermal (A1+C1+C3)	157.519	2306.064	3) MUMBAI Schedule	15.980	236.392
2) Hydro (A2+B5+C2)	26.965	295.634	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.338	129.481	1) MSEDCL	305.403	4624.546
4) Wind (B4)	14.519	206.497	2) TPCL	39.146	565.892
5) CPP (B1+B2+B3)	57.768	686.960	3) REL	21.000	307.578
TOTAL STATE	264.109	3624.636	TOTAL STATE	365.549	5498.016

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	4945	4832	4545
MSGENCO Hydro	1357	725	1022
MSGENCO Gas	302	303	309
MSGENCO Total Generation	6604	5860	5876
Central Sector Receipt	4748	4069	3701
WIND	506	930	665
CPP / IPP	2601	2397	2532
Exchange with Mumbai	-837	-793	-246
MSEDCL DEMAND MET	13622	12463	12528
Load Shedding	765	921	292
MSEDCL DEMAND	14387	13384	12820
TPCL GENERATION	1679	1675	1091
R-INFRA GENERATION	524	520	524
TPCL+R-INFRA DEMAND	3040	2988	1861
STATE DEMAND MET	16662	15451	14389
STATE DEMAND	17427	16372	14681
Frequency (Hz)	49.96	49.96	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 18.02 Hrs	49.63 Hz at 14.10 Hrs	49.98	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 15/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	39.71	0	0	0
Unit 6	3.70	43.34	160	148	150
Unit 7	4.21	55.84	192	165	175
Total	7.91	138.89			325
Bhusawal					
Unit 2	3.70	40.92	165	140	160
Unit 3	3.73	54.88	170	145	160
Unit 4	8.73	128.06	450	300	400
Unit 5	4.33	9.31	205	160	
Total	20.49	233.19			720
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.58	55.87	155	139	155
Unit 2	3.52	50.67	165	122	160
Unit 3	4.60	68.99	197	182	190
Unit 4	4.21	61.86	181	160	190
Unit 5	10.59	151.74	450	425	450
Unit 6	10.19	142.70	445	386	430
Unit 7	7.50	106.91	328	288	330
Total	44.18	638.73			1905
Paras					
Unit 3	6.07	82.22	261	241	250
Unit 4	5.97	80.31	261	234	250
Total	12.04	162.52			500
Khaparkheda					
Unit 1	3.26	46.16	175	90	180
Unit 2	3.02	53.81	150	105	150
Unit 3	3.61	56.26	173	124	160
Unit 4	3.19	59.23	163	122	140
Unit 5	5.61	137.12	390	0	0
Total	18.69	352.58			630
Nasik					
Unit 3	4.22	62.93	190	150	190
Unit 4	4.26	60.57	180	174	180
Unit 5	4.55	65.70	198	185	195
Total	13.04	189.19			565
Uran					
All Units	7.34	129.48	312	299	300
Total	7.34	129.48			300
PENCH (MS)					
Pench (MS)	0.10	2.72	24	0	
Total	0.10	2.72			
Koyna					
Stage 1-2	7.53	65.36	570	40	600
Stage 4	8.74	85.98	749	0	250
Stage 3	3.32	33.11	238	0	240
Kovna 12&4 Total	16.27	151.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	19.58	184.44			1090
Hydro					
KDPH	0.80	10.31	34	32	34
VTRNA	0.27	12.89	61	0	61
TILLARI	0.36	5.13	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.24	3.02	77	0	43
RNGR+BHTSA	0.26	4.13	12	11	12
BHANDARDRA	0.00	3.36	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.53	7.49	23	22	0
GHATGHAR	0.00	4.28	0	0	0
Total	2.46	50.96			210
Wind					
MalharPeth	0.56	7.79			
Vankuswadi	0.79	11.05			
ATIT	0.10	6.64			
Kale	0.42	5.16			
Satara	0.19	10.43			
Shirala	0.34	5.31			
K Mahankal	2.20	12.37			
Supa	0.18	1.80			
Vita	0.76	15.27			
Dondaicha	6.25	90.12			
Sakri	0.79	11.42			
Nandurbar	0.72	9.49			
Khandke	0.62	9.29			
Khaparale	0.63	10.35			
Total	14.52	206.50			
CPP					
JSW JAIGAD	26.91	403.56	1203	897	1095
WARDHA	7.78	116.53	327	314	325
Adani	11.61	210.71	610	370	657
Other CPPs	11.46	155.26			179
Total	57.77	886.06			2256
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.93	170.26	501	474	500
Trombay 6	6.12	77.51	335	150	500
Trombay 7A	2.95	44.06	125	121	120
Trombay 7B	1.61	24.11	68	67	60
Trombay 8	6.02	88.96	253	249	250
TATA Hydro	4.82	57.52	440	0	447
Total	33.46	462.42			1877
REL					
1&2	12.54	186.06	525	519	500
Total	12.54	186.06			500
Cent Sect					
Share					4371
Total					4371

MS PG CL	Thermal	116.35	1715.10			4645
	Thml+Gas	123.69	1844.58			4945
	Hydro	22.04	235.40			1300
	Total	145.73	2079.98			6245
State Total		264.11	3624.64			15249

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/May/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4798	1334	309	6441	462	2532	3961	4484	-712	-655	13264	140	13404	2317	15721	49.97
2	4595	1303	307	6205	678	2528	3866	4218	-610	-511	13118	132	13250	2130	15380	50.00
3	4568	1067	309	5944	410	2528	3776	4081	-519	-370	12593	241	12834	1988	14822	49.90
4	4512	1122	306	5940	710	2530	3527	3746	-484	-296	12630	252	12882	1901	14783	49.96
5	4545	1022	309	5876	665	2532	3529	3701	-484	-246	12528	292	12820	1861	14681	49.97
6	4632	841	311	5784	739	2533	3527	3810	-484	-278	12588	473	13061	1891	14952	50.07
7	4623	259	312	5194	772	2535	3510	3638	-481	-251	11888	918	12806	1864	14670	50.13
8	4818	181	311	5310	809	2540	3508	3918	-482	-343	12234	919	13153	1967	15120	50.03
9	4950	336	305	5591	752	2576	3523	3961	-508	-440	12440	869	13309	2262	15571	49.99
10	5011	904	305	6220	594	2650	3974	4351	-658	-564	13251	613	13864	2639	16503	49.93
11	4965	1259	299	6523	453	2701	4241	4740	-826	-759	13658	612	14270	2926	17196	49.92
12	4945	1357	302	6604	506	2601	4351	4748	-897	-837	13622	765	14387	3040	17427	49.96
13	5059	979	303	6341	400	2549	4238	4714	-903	-793	13211	867	14078	3026	17104	49.86
14	5108	1431	300	6839	346	2440	3876	4345	-878	-801	13192	743	13935	2959	16894	49.96
15	4934	1442	300	6676	407	2477	4177	4515	-887	-812	13286	607	13893	3012	16905	49.85
16	4878	1366	300	6544	668	2465	4194	4467	-905	-851	13307	781	14088	3028	17116	50.00
17	4832	725	303	5860	930	2397	4023	4069	-882	-793	12463	921	13384	2988	16372	49.96
18	4923	125	306	5354	1077	2254	3429	3601	-619	-735	11551	928	12479	2858	15337	50.09
19	5071	116	305	5492	719	2110	3508	3820	-540	-864	11277	589	11866	2662	14528	50.09
20	5021	386	305	5712	684	2057	3873	4152	-557	-592	12026	628	12654	2732	15386	49.92
21	4978	608	306	5892	421	2055	4008	4496	-610	-557	12331	434	12765	2658	15423	49.99
22	4936	999	309	6244	254	2066	4036	4600	-617	-504	12660	279	12939	2498	15437	50.08
23	4829	1450	308	6587	408	2052	4191	4766	-693	-629	13184	196	13380	2471	15851	50.04
24	4818	1431	308	6557	655	2060	4129	4500	-744	-672	13100	153	13253	2470	15723	49.95
MUs	116.35	22.04	7.34	145.73	14.52	57.77	92.98	101.44	-15.98	-14.15	305.40	13.35	318.75	60.15	378.90	49.98

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 15/May/2013

Position as on 6.30 Hrs of 16/May/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Uran Unit 7	108	28/04/2013	22.54		Continued.	Boiler Duct Renovation.	
Dabhol 1B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Dabhol 3B	230	03/05/2013	18.05		Continued.	Gas Shortage	
Dabhol 1X	290	05/05/2013	09.41		Continued.	Gas Shortage.	
Dabhol 1A	230	05/05/2013	09.42		Continued.	Gas Shortage.	
Uran Unit B0	120	07/05/2013	00.06		Continued.	C T & P T Replacement Work. Upto 18.5.13.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work Upto 18.5.13.	
Dabhol 3A	230	07/05/2013	15.40		Continued.	Gas shortage.	
Dabhol 3X	290	07/05/2013	15.42		Continued.	Gas shortage.	
Dabhol 2X	290	11/05/2013	04.28		Continued.	Gas Shortage	
Dabhol 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	
CPP WPCL U-3	135	11/05/2013	11.25		Continued.	Maintenance Problem.	
Koradi Unit 5	200	13/05/2013	05.58		Continued.	Boiler Tube Leakage.	
Koyna ST-IV 1	250	13/05/2013	09.21		Continued.	Shaft Temp. Very High.	
Khaparkheda Unit 5	500	15/05/2013	00.33	15/05/2013	05.17	Flame Failure	
Khaparkheda Unit 5	500	15/05/2013	05.38	15/05/2013	07.09	Drum level very low.	
CPP JSW (J) U1	300	15/05/2013	18.51		Continued.	Condencer Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2013

Position as on 6.30 Hrs of 16/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	15/05/2013	15.17		Continued.	Y-Ph CVT Oil leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	11/05/2013	17.45		Continued.	Over Voltage
Kolhapur-Mapusa-II	13/05/2013	16.45	15/05/2013	09.35	Over Voltage.
Kolhapur-Solapur (PG) II	13/05/2013	17.46	15/05/2013	11.02	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	15/05/2013	13.37		Continued.	Over Voltage.
Kolhapur - Mapusa - I	15/05/2013	17.12		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	14/05/2013	16.53		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur - Borivali	15/05/2013	05.24	15/05/2013	05.44	Dist prot,from Tarapur end only.
Tarapur - Borivali	15/05/2013	23.19	15/05/2013	23.50	Dist Prot, Tripped at Tarapur end only A/R successfully at Borivali end.
Tarapur - Borivali	16/05/2013	03.02		Continued.	Dist Prot, Tripped at Tarapur end only A/R successfully at Borivali end.(H/T at 03.40 Hrs at Borivali end)
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor on Bhusawal- Akola at BSL End	04/05/2013	12.05		Continued.	Overhauling of Line Reactor upto 21-5-2013
Bableshtar-Aurangabad	13/05/2013	14.37	15/05/2013	19.00	C B Overhauling (Ckt Will be on TBC).
Main Bus- I @ Nagothane	14/05/2013	10.20		Continued.	Bay maint.and Testing work.
400KV Transfer Bus C at N.Koyna	15/05/2013	14.08	15/05/2013	18.35	Cold washing of C Bus insulators.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Badnera-Akola Ckt.I	15/05/2013	06.24	15/05/2013	17.52	Disc insulator Repl.work.
Koradi-Butibori	15/05/2013	08.10		Continued.	Overhauling of interruptors of CGL make SF6 BKR, Repl of R-Ph CT jumper.
Apta-Kalwa	15/05/2013	09.10	15/05/2013	15.05	TBC Shifting,CRM & BKR Timing.
Vita - Ghatnandre	15/05/2013	09.10	15/05/2013	19.44	Newly erected tower work.
Dhule-Chalisingaon	15/05/2013	09.20	15/05/2013	12.51	Tree cutting work.
220/132KV 200 MVA New ICT at Barshi	15/05/2013	09.40	15/05/2013	12.55	Q.M.Work
Vita - Lamboti	15/05/2013	10.18	15/05/2013	17.49	Repl.of broken disc.
Kalwa-Colourchem	15/05/2013	11.56	15/05/2013	13.16	To attend hot spot.
Wadkhal-NDIL-3	15/05/2013	11.58	15/05/2013	14.21	Binding tape to Y-Ph conductor.
Gadchandur-Virur-II	15/05/2013	13.30	15/05/2013	17.51	Dist relay testing work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol - Nagothane - I	13/05/2013	15.10		Continued.	For Attending Sparking on Bus-2 Side

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2013

Position as on 6.30 Hrs of 16/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					Isolator @ Dabhol End(Ready for Charging @ 17.25 Hrs).
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	13/05/2013	12.55		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhali.
Phursungi - Theur	14/05/2013	08.09		Continued.	After completion of outage on Theur-Phursungi
Alephata-Kathapur	14/05/2013	08.13		Continued.	To control O/L BBLSR-Alephata line.
Alephata-Kathapur	15/05/2013	07.21	15/05/2013	17.24	O/L of 220KV BBLsr-A'Phata
Alephata-Kathapur	15/05/2013	19.15		Continued.	O/L of 220KV BBLsr-A'Phata
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Warora- Tirora -II	25/04/2013	16.53		Continued.	Distance protection.
Babaleshwar - Dhule - I	15/05/2013	20.39	15/05/2013	20.54	At BBLSR end,DT Received.
400/220KV,500 MVA ICT-III at Kolhapur	16/05/2013	01.43	16/05/2013	02.32	NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection(4 Nos of Tower Collapsed)
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection(Ckt Under Breakdown)
220/132KV 150MVA T/F VII at Chinchwad	14/05/2013	21.20	15/05/2013	06.25	Bus Bar Prot Operated due to bursting of Y-Ph HVCT of 220/132KV 150 MVA ICT No.7

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	185
	620	340
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	400
Unit 5	500	
	1420	720
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	190
Unit 4	210	195
Unit 5	500	450
Unit 6	500	430
Unit 7	500	350
	2340	1940
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	140
Unit 3	210	170
Unit 4	210	140
Unit 5	500	325
	1340	945
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	195
	630	565
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	240
	1920	1090
Hydro		
KDPH	40	34
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	43
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	210
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	820
WARDHA	405	327
Adani	1320	617
Other CPPs	300	217
	3225	1981
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4776
	3455	4776