



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/May/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.362	2884.810	1) Gujrat	7.072	307.824
2) Hydro	7.238	344.165	2) Madhya Pradesh	16.467	461.766
3) Gas	8.338	214.642	3) Chattisgarh	9.360	227.730
Total MSGENCO	131.938	3443.617	4) Maharashtra	60.442	1613.689
B) 1) JSW JAIGAD	27.095	666.337	5) Goa	-6.101	-156.721
2) WPCL	7.637	194.000	6) TAPS 1&2 Injection	3.896	95.700
3) ADANI	14.490	270.920	7) RGPPL Injection	14.164	326.645
4) Other CPP / IPP	12.578	280.624	8) Pench (Excess)	-0.265	-4.333
5) Wind Generation	29.762	402.619	# Total Cent. Sector	105.035	2872.300
6) PENCH (MS)	0.265	4.333	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.409	-395.577
1) TPCL Thermal	25.338	673.249	G) Bilateral Power *		
2) TPCL Hydro	3.961	98.521	1) MSEDCL Bilateral	37.446	887.426
TOTAL TPCL	29.299	771.770	Include PX	0.000	50.068
3) REL Thermal	12.044	297.250	2) MUMBAI Bilateral	16.555	408.092
D) STATE			Include PX	3.057	95.801
1) Thermal (A1+C1+C3)	153.744	3855.309	3) MUMBAI Schedule	16.555	409.733
2) Hydro (A2+B5+C2)	11.464	447.019	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.338	214.642	1) MSEDCL	311.391	7739.173
4) Wind (B4)	29.762	402.619	2) TPCL	37.467	947.632
5) CPP (B1+B2+B3)	61.800	1155.451	3) REL	21.282	516.927
TOTAL STATE	265.108	6075.040	TOTAL STATE	370.140	9203.732

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 6 Hrs
MSGENCO Thermal	4890	4941	4766
MSGENCO Hydro	810	383	96
MSGENCO Gas	309	315	312
MSGENCO Total Generation	6009	5639	5174
Central Sector Receipt	4664	4373	4412
WIND	993	1311	1284
CPP / IPP	2553	2585	2496
Exchange with Mumbai	-735	-833	-646
MSEDCL DEMAND MET	13484	13099	12720
Load Shedding	58	59	58
MSEDCL DEMAND	13542	13158	12778
TPCL GENERATION	1550	1392	936
R-INFRA GENERATION	523	523	423
TPCL+R-INFRA DEMAND	2808	2748	2005
STATE DEMAND MET	16292	15847	14725
STATE DEMAND	16350	15906	14783
Frequency (Hz)	49.95	49.99	49.57

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 21.03 Hrs	49.69 Hz at 22.07 Hrs	49.99	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/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.35	67.88	160	125	135
Unit 6	0.00	70.51	0	0	0
Unit 7	3.43	89.21	160	120	160
Total	6.78	227.59			295
Bhusawal					
Unit 2	3.75	68.08	165	135	160
Unit 3	3.64	91.32	170	145	160
Unit 4	9.54	203.76	475	105	430
Unit 5	5.96	40.84	320	100	
Total	22.89	403.99			750
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	3.67	93.56	162	141	160
Unit 2	3.90	89.64	168	148	165
Unit 3	4.70	115.70	203	177	200
Unit 4	4.20	104.48	186	163	190
Unit 5	9.82	253.51	430	395	420
Unit 6	9.84	243.75	450	380	430
Unit 7	8.06	185.77	388	182	300
Total	44.18	1086.41			1865
Paras					
Unit 3	5.53	139.33	250	220	250
Unit 4	5.48	137.36	251	205	250
Total	11.02	276.70			500
Khaparkheda					
Unit 1	3.28	81.22	175	100	160
Unit 2	2.66	85.18	140	85	150
Unit 3	3.31	91.60	163	109	160
Unit 4	3.41	95.58	175	108	170
Unit 5	6.38	216.89	364	170	150
Total	19.04	570.48			790
Nasik					
Unit 3	4.18	106.81	195	165	195
Unit 4	4.08	102.69	183	161	180
Unit 5	4.19	110.14	195	161	195
Total	12.45	319.64			570
Uran					
All Units	8.34	214.64	471	309	300
Total	8.34	214.64			300
PENCH (MS)					
Pench (MS)	0.26	4.33	26	0	
Total	0.26	4.33			
Koyna					
Stage 1-2	2.30	97.48	385	10	520
Stage 4	0.98	118.14	280	0	250
Stage 3	0.40	47.54	102	0	240
Kovna 12&4 Total	3.28	215.62			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.68	263.16			1010
Hydro					
KDPH	0.72	17.93	30	30	30
VTRNA	0.00	12.89	0	0	0
TILLARI	0.36	8.68	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.32	5.26	81	0	80
RNGR+BHTSA	0.25	6.76	11	10	12
BHANDARDRA	0.00	3.36	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.36	11.78	15	15	0
GHATGHAR	1.55	14.00	240	0	0
Total	3.56	81.00			182
Wind					
MalharPeth	0.99	13.09			
Vankuswadi	1.83	20.29			
ATIT	0.24	7.73			
Kale	0.58	8.89			
Satara	6.64	42.87			
Shirala	0.59	8.81			
K Mahankal	0.13	14.29			
Supa	0.37	3.65			
Vita	3.21	32.33			
Dondaicha	10.12	172.48			
Sakri	1.33	22.20			
Nandurbar	1.14	18.80			
Khandke	1.31	17.60			
Khaparale	1.28	19.59			
Total	29.76	402.62			
CPP					
JSW JAIGAD	27.10	666.34	1201	1078	1095
WARDHA	7.64	194.00	324	311	320
Adani	14.49	270.92	620	590	617
Other CPPs	12.58	280.62			219
Total	61.80	1411.88			2251
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.43	287.86	499	319	500
Trombay 6	3.58	126.30	155	147	500
Trombay 7A	2.93	70.76	124	120	120
Trombay 7B	1.62	39.45	69	67	60
Trombay 8	5.79	148.88	252	150	250
TATA Hydro	3.96	98.52	466	0	447
Total	29.30	771.77			1877
REL					
1&2	12.04	297.25	524	406	500
Total	12.04	297.25			500
Cent Sect					
Share					4679
Total					4679

MS PG CL	Thermal	116.36	2884.81			4770
	Thml+Gas	124.70	3099.45			5070
	Hydro	7.24	344.16			1192
	Total	131.94	3443.62			6262
State Total		265.11	6075.04			15569

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4525	462	317	5304	1361	2641	4559	4722	-786	-875	13179	88	13267	2494	15761	49.97
2	4607	91	317	5015	1423	2604	4481	4634	-668	-697	13005	58	13063	2317	15380	49.58
3	4570	96	317	4983	1328	2591	4400	4457	-566	-513	12856	58	12914	2158	15072	50.00
4	4685	106	318	5109	1378	2582	4346	4234	-507	-431	12872	58	12930	2044	14974	50.08
5	4770	96	318	5184	1338	2570	4327	4024	-491	-378	12738	58	12796	1988	14784	50.04
6	4766	96	312	5174	1284	2496	4310	4412	-491	-646	12720	58	12778	2005	14783	49.57
7	4818	96	315	5229	1123	2590	4174	4523	-492	-674	12791	58	12849	1946	14795	50.19
8	4879	91	315	5285	1171	2614	4209	4197	-493	-413	12854	58	12912	1971	14883	50.26
9	4926	106	314	5346	1140	2564	4388	4446	-640	-485	13011	58	13069	2102	15171	50.27
10	4895	191	311	5397	1158	2574	4346	4621	-729	-562	13188	58	13246	2373	15619	49.99
11	4910	658	312	5880	1002	2605	4346	4624	-786	-635	13476	58	13534	2665	16199	49.97
12	4890	810	309	6009	993	2553	4420	4664	-806	-735	13484	58	13542	2808	16350	49.95
13	4957	766	312	6035	888	2607	4394	4499	-834	-780	13249	117	13366	2821	16187	49.91
14	5051	564	311	5926	1077	2571	4378	4491	-813	-874	13191	59	13250	2754	16004	49.95
15	5009	693	313	6015	1012	2688	4435	4359	-818	-860	13214	59	13273	2795	16068	49.95
16	4983	698	322	6003	1214	2668	4452	4545	-836	-847	13606	59	13665	2803	16468	49.96
17	4941	383	315	5639	1311	2585	4421	4373	-804	-833	13099	59	13158	2748	15906	49.99
18	5006	95	332	5433	1420	2528	4143	3816	-571	-1038	12182	59	12241	2639	14880	50.10
19	4960	199	338	5497	1439	2513	3918	3636	-564	-1092	12004	59	12063	2542	14605	50.11
20	4942	353	445	5740	1261	2547	4185	4232	-650	-947	12859	59	12918	2605	15523	49.98
21	4944	303	471	5718	1261	2571	4339	4041	-757	-751	12866	59	12925	2624	15549	50.01
22	4906	90	468	5464	1530	2523	4456	4145	-737	-808	12877	59	12936	2581	15517	50.08
23	4877	100	465	5442	1302	2514	4505	4364	-814	-765	12880	59	12939	2527	15466	49.92
24	4540	95	471	5106	1346	2501	4476	4976	-900	-770	13183	59	13242	2442	15684	49.96
MUs	116.36	7.24	8.34	131.93	29.76	61.80	104.41	105.04	-16.55	-17.41	311.38	1.49	312.88	58.75	371.63	49.99

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/2013

Position as on 6.30 Hrs of 26/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.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work	
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.	
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.	
Uran Unit 5	108	22/05/2013	07.46	25/05/2013	16.38	Gas Shortage	
Dabhol 1A	230	23/05/2013	12.58		Continued.	Gas Shortage	
Dabhol 1B	230	23/05/2013	12.58		Continued.	Gas Shortage	
Dabhol 1X	290	23/05/2013	12.58		Continued.	Gas Shortage	
Koyna Unit 8	80	23/05/2013	15.30		Continued.	Bearing temp.high.	
Bhusawal Unit 4	500	24/05/2013	08.16	25/05/2013	00.10	Due to tripping of Stn.T/F-4A.	
Koradi Unit 6	210	24/05/2013	12.57		Continued.	Boiler tube leakage.	
CPP Adani	1320	25/05/2013	01.18		Continued.	Turbine over speed testing.	
Khaparkheda Unit 2	210	26/05/2013	05.58		Continued.	CHP Belt Broken	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/May/2013

Position as on 6.30 Hrs of 26/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33	25/05/2013	16.23	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Nasik-Navsari-I	25/05/2013	10.21	25/05/2013	17.46	Work at Navsari
Mahalakshmi - Amona	25/05/2013	11.54	25/05/2013	13.41	Tree Cutting work
Nasik-Navsari-I	26/05/2013	08.08	26/05/2013	17.51	Insulator Cold Washing.
Tarapur-Borivali	26/05/2013	08.40	26/05/2013	18.00	Pre Mansoon Miantenance.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	23/05/2013	16.35		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	24/05/2013	06.52		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	25/05/2013	02.54		Continued.	Over Voltage.
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
400/220KV,315 MVA ICT-I At Lonikand.	24/05/2013	10.51	25/05/2013	17.55	To attend red hot spot.Taken on TBC.
Chandrapur - Khaparkheda	25/05/2013	07.10	25/05/2013	17.22	Replacement of Damaged Scissor Arm of PG Isolator. Taken on TBC
Padgha - Babaleshwar - II	25/05/2013	08.42	25/05/2013	17.09	Replacement of Damaged and Flashover Insulator String
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09	25/05/2013	16.44	Mumbai Strengthening Work.
220/100KV 200 MVA ICT-III @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.Outage for 8 days.
Babaleshwar - Chalisgaon	25/05/2013	07.15	25/05/2013	18.01	Rectification work
Kalwa-Trombay	25/05/2013	07.51	25/05/2013	14.41	Tan Delta Testing of winding
Tarapur - Ghodbundar	25/05/2013	08.16	25/05/2013	16.44	Normalization of Tarapur-Bhoisor line
KDPH-Wankuswadi	25/05/2013	09.25	25/05/2013	18.50	Half Main Bus Outage
220/132 KV 200 MVA ICT - II @ Raymand	25/05/2013	10.04	25/05/2013	12.24	Tan Delta Testing
Aurangabad-Jalna-I	25/05/2013	14.12	25/05/2013	17.14	CT to Line Isolator Y PHase Jumper Open
Trombay-Tata Tie - I	26/05/2013	06.30	26/05/2013	11.30	Cold Line Washing.
Vankushwadi - MIDC Satara - I	26/05/2013	09.25	26/05/2013	18.25	Insulator Replacement Work.
Vankuswade-Malharpeeth	26/05/2013	10.10	26/05/2013	18.18	Insulator Replacement Work.
Trombay - Tata Tie - II	26/05/2013	11.40	26/05/2013	21.00	Cold Line Washing.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Badnera-Akola-II	25/05/2013	17.18	26/05/2013	02.15	Replacement of Line Insulators
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/May/2013

Position as on 6.30 Hrs of 26/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal- Aurangabad	23/05/2013	17.54		Continued.	Over Voltage
Deepnagar-Aurangabad-II	23/05/2013	19.25		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.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Girwali - Kej	26/05/2013	09.32	26/05/2013	11.35	To Attend Sparking on Wave Trap.
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.
Khadka - Deepnagar - II	22/05/2013	22.49		Continued.	Bus bar protection operated due to R ph.CT bursting of GT-5 bay.(B ph.Bkr pole of Khadka Ckt.II burst.)
New Koyna - Dabhol - I	26/05/2013	01.07		Continued.	Distance Protection
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)
220/66 KV 50 MVA ICT- II @ Pusad	21/05/2013	20.10		Continued.	Diff Protection.
Vankuswadi-KDPH	25/05/2013	02.30	25/05/2013	18.50	Distance protection.
M.B. At KDPH.	25/05/2013	02.30	25/05/2013	06.00	Due to tripping of KDPH-Vankushwadi.
Pophali - KDPH	25/05/2013	02.30	25/05/2013	03.00	Due to bus fault.
Bombay Dyeing - Sahara	25/05/2013	05.14	25/05/2013	07.07	Distance protection Z 1.
Apta-Uran-III	25/05/2013	05.55	25/05/2013	11.44	Distance protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Tamsa	26/05/2013	09.51	26/05/2013	15.32	Distance Protection Operated Z-I R & Y.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	0
Unit 7	210	160
	620	290
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	430
Unit 5	500	
	1420	750
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	165
Unit 3	210	180
Unit 4	210	180
Unit 5	500	450
Unit 6	500	440
Unit 7	500	400
	2340	1980
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	110
Unit 2	210	100
Unit 3	210	110
Unit 4	210	110
Unit 5	500	225
	1340	655
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	30
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	
ELDARY	23	0
SMLHY PTN	12	
GHATGHAR	250	
	611	182
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	1091
WARDHA	405	320
Adani	1320	610
Other CPPs	300	226
	3225	2247
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	4786
	3455	4786