



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/May/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.452	1955.687	1) Gujrat	11.378	213.286
2) Hydro	8.387	256.402	2) Madhya Pradesh	15.704	333.951
3) Gas	7.413	144.233	3) Chattisgarh	8.910	155.420
Total MSGENCO	136.252	2356.322	4) Maharashtra	68.297	1107.177
B) 1) JSW JAIGAD	21.597	446.744	5) Goa	-6.743	-107.584
2) WPCL	7.722	132.021	6) TAPS 1&2 Injection	3.814	64.819
3) ADANI	6.260	225.850	7) RGPPL Injection	17.277	142.118
4) Other CPP / IPP	12.413	179.932	8) Pench (Excess)	-0.155	-3.033
5) Wind Generation	17.359	241.848	# Total Cent. Sector	118.482	1906.154
6) PENCH (MS)	0.155	3.033	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.888	-254.509
1) TPCL Thermal	27.952	461.119	G) Bilateral Power *		
2) TPCL Hydro	4.104	66.047	1) MSEDCL Bilateral	30.536	655.934
TOTAL TPCL	32.056	527.166	Include PX	0.000	50.123
3) REL Thermal	12.529	211.121	2) MUMBAI Bilateral	16.929	269.759
D) STATE			Include PX	2.964	66.198
1) Thermal (A1+C1+C3)	160.933	2627.927	3) MUMBAI Schedule	16.929	269.759
2) Hydro (A2+B5+C2)	12.646	325.482	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.413	144.233	1) MSEDCL	305.352	5237.395
4) Wind (B4)	17.359	241.848	2) TPCL	38.632	643.479
5) CPP (B1+B2+B3)	47.992	764.957	3) REL	20.841	349.287
TOTAL STATE	246.343	4104.447	TOTAL STATE	364.825	6230.161

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5104	4986	5050
MSGENCO Hydro	449	105	118
MSGENCO Gas	305	303	309
MSGENCO Total Generation	5858	5394	5477
Central Sector Receipt	5201	5627	4578
WIND	685	683	919
CPP / IPP	2183	2065	2035
Exchange with Mumbai	-744	-801	-365
MSEDCL DEMAND MET	13183	12968	12644
Load Shedding	571	490	229
MSEDCL DEMAND	13754	13458	12873
TPCL GENERATION	1622	1600	1040
R-INFRA GENERATION	520	521	522
TPCL+R-INFRA DEMAND	2886	2922	1927
STATE DEMAND MET	16069	15890	14571
STATE DEMAND	16640	16380	14800
Frequency (Hz)	50.16	50.03	50.19

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 18:02 Hrs	49.73 Hz at 14:34 Hrs	50.09	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/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.02	42.84	146	90	130
Unit 6	3.46	50.38	160	130	145
Unit 7	3.10	62.93	165	80	110
Total	9.57	156.14			385
Bhusawal					
Unit 2	3.62	48.34	165	120	160
Unit 3	3.74	62.49	170	135	160
Unit 4	9.02	145.89	455	320	400
Unit 5	3.81	17.38	225	0	0
Total	20.19	274.11			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	3.74	63.37	161	150	165
Unit 2	3.94	58.46	169	157	165
Unit 3	4.67	78.19	204	187	200
Unit 4	4.36	70.49	186	161	190
Unit 5	10.10	172.37	450	370	430
Unit 6	10.19	163.24	435	410	430
Unit 7	7.94	122.51	382	295	350
Total	44.94	728.62			1930
Paras					
Unit 3	5.64	93.66	257	212	250
Unit 4	5.56	91.75	240	220	250
Total	11.20	185.41			500
Khaparkheda					
Unit 1	3.62	53.58	185	115	190
Unit 2	3.31	60.60	170	115	170
Unit 3	2.78	62.10	163	0	150
Unit 4	3.61	66.62	171	126	190
Unit 5	8.06	152.94	370	310	360
Total	21.37	395.84			1060
Nasik					
Unit 3	4.38	71.66	195	160	190
Unit 4	4.24	69.05	182	171	180
Unit 5	4.56	74.86	194	176	195
Total	13.18	215.57			565
Uran					
All Units	7.41	144.23	318	300	300
Total	7.41	144.23			300
PENCH (MS)					
Pench (MS)	0.16	3.03	26	0	0
Total	0.16	3.03			0
Koyna					
Stage 1-2	3.05	71.06	440	40	600
Stage 4	1.73	93.09	425	0	250
Stage 3	1.10	36.37	160	0	240
Kovna 12&4 Total	4.78	164.15			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.88	200.52			1090
Hydro					
KDPH	0.79	11.89	33	32	34
VTRNA	0.00	12.89	0	0	61
TILLARI	0.35	5.82	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.24	3.52	80	0	43
RNGR+BHTSA	0.26	4.66	11	10	12
BHANDARDRA	0.00	3.36	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.51	8.47	22	21	0
GHATGHAR	0.36	4.91	120	0	0
Total	2.51	55.88			210
Wind					
MalharPeth	0.33	8.39			
Vankuswadi	0.51	12.12			
ATIT	0.06	6.77			
Kale	0.25	5.73			
Satara	1.49	14.08			
Shirala	0.22	5.80			
K Mahankal	0.02	12.44			
Supa	0.10	2.02			
Vita	0.64	17.76			
Dondaicha	9.88	108.82			
Sakri	1.35	13.87			
Nandurbar	1.11	11.62			
Khandke	0.58	10.37			
Khaparale	0.83	12.05			
Total	17.36	241.85			
CPP					
JSW JAIGAD	21.60	446.74	905	895	822
WARDHA	7.72	132.02	326	311	325
Adani	6.26	225.85	380	0	375
Other CPPs	12.41	179.93			200
Total	47.99	984.55			1722
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.86	193.96	504	446	500
Trombay 6	5.53	88.89	335	149	500
Trombay 7A	2.93	49.94	126	113	120
Trombay 7B	1.61	27.32	68	64	60
Trombay 8	6.03	101.01	253	247	250
TATA Hydro	4.10	66.05	371	0	447
Total	32.06	527.17			1877
REL					
1&2	12.53	211.12	525	519	500
Total	12.53	211.12			500
Cent Sect					
Share					4540
Total					4540

MS PG CL	Thermal	120.45	1955.69			5160
	Thml+Gas	127.86	2099.92			5460
	Hydro	8.39	256.40			1300
	Total	136.25	2356.32			6760
State Total		246.34	4104.45			15399

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	5006	642	318	5966	734	2050	4468	5222	-758	-663	13309	139	13448	2335	15783	50.02
2	4985	563	318	5866	836	2046	4366	4859	-650	-510	13097	200	13297	2115	15412	50.12
3	4968	360	318	5646	876	2025	4269	4673	-546	-403	12817	217	13034	1989	15023	50.08
4	5050	118	309	5477	919	2035	4085	4578	-489	-365	12644	229	12873	1927	14800	50.19
5	5126	105	311	5542	908	2035	4083	4481	-486	-265	12701	264	12965	1869	14834	50.09
6	5161	105	314	5580	911	2041	4112	4540	-486	-296	12776	427	13203	1909	15112	50.24
7	5264	110	314	5688	909	2052	4119	3998	-501	-281	12366	880	13246	1897	15143	50.10
8	5221	120	310	5651	770	2052	4119	4309	-502	-380	12402	874	13276	1997	15273	50.18
9	5249	130	310	5689	807	2076	4134	4389	-528	-497	12464	821	13285	2244	15529	49.92
10	5169	387	305	5861	751	2150	4435	4819	-728	-591	12990	610	13600	2566	16166	50.02
11	5104	449	305	5858	685	2183	4666	5201	-901	-744	13183	571	13754	2886	16640	50.16
12	5131	379	304	5814	760	2215	4744	4894	-969	-833	12850	668	13518	2973	16491	50.07
13	5078	292	306	5676	790	2194	4600	5008	-974	-813	12855	781	13636	2976	16612	50.14
14	4957	115	304	5376	595	2207	4532	4984	-931	-753	12409	679	13088	2866	15954	49.97
15	4966	170	300	5436	607	2193	4510	5238	-931	-780	12694	558	13252	2917	16169	49.95
16	4944	175	305	5424	687	2184	4528	5742	-968	-786	13251	497	13748	2941	16689	50.10
17	4986	105	303	5394	683	2065	4616	5627	-961	-801	12968	490	13458	2922	16380	50.03
18	5020	120	307	5447	674	1788	4418	4869	-697	-869	11917	660	12577	2830	15407	50.24
19	4910	120	308	5338	640	1726	4447	4674	-610	-956	11445	521	11966	2662	14628	50.16
20	4711	508	310	5529	595	1752	4744	5117	-627	-693	12325	525	12850	2654	15504	50.02
21	4798	824	310	5932	475	1750	4885	5202	-674	-689	12695	362	13057	2623	15680	50.13
22	4882	629	310	5821	556	1729	5053	5243	-617	-626	12748	236	12984	2528	15512	50.16
23	4849	772	307	5928	694	1721	5160	5399	-681	-648	13120	169	13289	2466	15755	49.97
24	4917	1089	307	6313	497	1723	5094	5416	-714	-646	13326	133	13459	2381	15840	50.03
MUs	120.45	8.39	7.41	136.25	17.36	47.99	108.19	118.48	-16.93	-14.89	305.35	11.51	316.86	59.47	376.34	50.09

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/May/2013

Position as on 6.30 Hrs of 18/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	17/05/2013	17.37	Gas Shortage	
Dabhol 1X	290	05/05/2013	09.41	17/05/2013	16.05	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 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.	
Koyna ST-IV 1	250	13/05/2013	09.21		Continued.	Shaft Temp. Very High.	
CPP JSW (J) U1	300	15/05/2013	18.51		Continued.	Condencer Tube Leakage.	
Khaparkheda Unit 3	210	16/05/2013	20.17	17/05/2013	03.09	High furnance pressure.	
CPP Adani U1	660	17/05/2013	17.38		Continued.	Water Shortage	
Bhusawal Unit 5	500	17/05/2013	18.17		Continued.	Flame Failure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2013

Position as on 6.30 Hrs of 18/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		
Wardha - Akola - I	17/05/2013	08.51	17/05/2013	16.49	R.M.Work
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		
Kolhapur-Solapur (PG) II	16/05/2013	10.46		Continued.	H/T to control Wardha(PG)-Parli load.
Kolhapur - Mapusa - I	16/05/2013	16.47	17/05/2013	11.12	Over Voltage.
Dhule-Sar'Sarovar - I	16/05/2013	23.01		Continued.	Over Voltage.
Kolhapur - Mapusa - I	17/05/2013	17.43		Continued.	Over Voltage
Wardha - Akola - I	17/05/2013	20.20		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	14/05/2013	16.53		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
Dhule - Babaleshwar - II	16/05/2013	09.14	17/05/2013	17.30	Breaker overhauling work.Taken on TBC.
Babaleshwar - Bhusawal	16/05/2013	09.47		Continued.	For diversion of existing 400KV BSL-BBLR from L.No.36 to 42.Outage for 8 days.
Kalwa-Kharghar	17/05/2013	06.56	17/05/2013	13.21	Hot Spot
400/220 KV 315 MVA ICT @ Khadka	17/05/2013	07.56	17/05/2013	18.10	Tan Delta Measurement
Dabhol - Nagothane - I	17/05/2013	10.53	17/05/2013	19.46	Replacement of Broken Conductor
400/220KV,500 MVA ICT-III at Kolhapur	17/05/2013	11.25	17/05/2013	14.43	P.M.Work
Lonikand - Parli - II	17/05/2013	16.32	17/05/2013	16.49	SF6 Gas Filling(Shifted on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Inter Connector @ Kalwa	17/05/2013	06.42	17/05/2013	12.09	CT tan delta measurement.
Talangade - Mumewadi	17/05/2013	07.59	17/05/2013	18.47	Cold Line Washing of Insulator
Pophali - Pedambe - I	17/05/2013	08.12	17/05/2013	15.20	P.M.Work
Jambul - Pal	17/05/2013	09.10	17/05/2013	17.17	Hot Spot
Washala-Ghatghar	17/05/2013	10.00	17/05/2013	16.20	Annual Maintenance
Talandgade-Ichalkaranj -II	17/05/2013	10.38	17/05/2013	18.19	Hot Spot
Pedambe - Tambati	17/05/2013	10.47	17/05/2013	15.50	Replacement of Faulty Insulator String
Lote - N.Koyna	17/05/2013	15.20	17/05/2013	17.15	Insulator replacement work
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	07/02/2013	17.57		Continued.	Hand Tripped.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2013

Position as on 6.30 Hrs of 18/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
at Warora					
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Padgha - Nagothane - I	17/05/2013	03.20	17/05/2013	09.32	Over Voltage.
Bhusawal- Aurangabad	17/05/2013	22.24		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
Apta-Uran-II	17/05/2013	17.57	17/05/2013	21.20	To attend B Phase CT Problem
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.
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)
Nagothane-MSL	17/05/2013	08.33	17/05/2013	17.07	Distance Protection
Padegaon - Sawangi	17/05/2013	17.18	17/05/2013	17.43	Backup Protection O/C
220/132 KV 100 MVA ICT @ Sawangi	17/05/2013	17.18	17/05/2013	18.08	Backup Protection operated
Kandalgaon - Sona Alloy	18/05/2013	03.18	18/05/2013	03.54	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari-Arvi	17/05/2013	12.51	17/05/2013	13.15	Distance Protection
Padegaon-Sawangi	17/05/2013	17.18	17/05/2013	18.18	Backup Protection O/C
Sawangi-Harsool	17/05/2013	17.18	18/05/2013	03.10	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	145
	620	425
Bhusawal		
Unit 2	210	140
Unit 3	210	130
Unit 4	500	460
Unit 5	500	0
	1420	730
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	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	190
Unit 5	500	440
Unit 6	500	440
Unit 7	500	375
	2340	1965
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	140
Unit 4	210	150
Unit 5	500	325
	1340	905
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	822
WARDHA	405	325
Adani	1320	0
Other CPPs	300	220
	3225	1367
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	5100
	3455	5100