



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/May/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.137	1835.235	1) Gujrat	12.346	201.908
2) Hydro	12.616	248.015	2) Madhya Pradesh	17.201	318.247
3) Gas	7.339	136.820	3) Chattisgarh	9.610	146.510
Total MSGENCO	140.092	2220.070	4) Maharashtra	72.832	1038.880
B) 1) JSW JAIGAD	21.584	425.147	5) Goa	-6.505	-100.841
2) WPCL	7.770	124.299	6) TAPS 1&2 Injection	3.780	61.005
3) ADANI	8.880	219.590	7) RGPPL Injection	4.263	124.841
4) Other CPP / IPP	12.261	167.519	8) Pench (Excess)	-0.163	-2.878
5) Wind Generation	17.992	224.489	# Total Cent. Sector	113.364	1787.672
6) PENCH (MS)	0.163	2.878	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.609	-239.621
1) TPCL Thermal	28.263	433.167	G) Bilateral Power *		
2) TPCL Hydro	4.423	61.943	1) MSEDCL Bilateral	42.149	625.398
TOTAL TPCL	32.686	495.110	Include PX	8.007	50.123
3) REL Thermal	12.530	198.592	2) MUMBAI Bilateral	16.438	252.830
D) STATE			Include PX	3.204	63.234
1) Thermal (A1+C1+C3)	160.930	2466.994	3) MUMBAI Schedule	16.438	252.830
2) Hydro (A2+B5+C2)	17.202	312.836	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.339	136.820	1) MSEDCL	307.497	4932.043
4) Wind (B4)	17.992	224.489	2) TPCL	38.955	604.847
5) CPP (B1+B2+B3)	50.495	725.845	3) REL	20.868	328.446
TOTAL STATE	253.958	3866.984	TOTAL STATE	367.320	5865.336

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	4962	4896	5000
MSGENCO Hydro	862	771	214
MSGENCO Gas	310	299	308
MSGENCO Total Generation	6134	5966	5522
Central Sector Receipt	5148	4850	4347
WIND	784	774	939
CPP / IPP	2196	2151	2036
Exchange with Mumbai	-855	-772	-315
MSEDCL DEMAND MET	13432	12969	12529
Load Shedding	631	529	284
MSEDCL DEMAND	14063	13498	12813
TPCL GENERATION	1585	1617	1084
R-INFRA GENERATION	521	522	522
TPCL+R-INFRA DEMAND	2961	2911	1921
STATE DEMAND MET	16393	15880	14450
STATE DEMAND	17024	16409	14734
Frequency (Hz)	49.96	49.94	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 06.00 Hrs	49.66 Hz at 17.09 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 16/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.11	39.82	65	0	0
Unit 6	3.57	46.92	160	136	155
Unit 7	4.00	59.83	185	145	185
Total	7.68	146.57			340
Bhusawal					
Unit 2	3.80	44.73	165	150	160
Unit 3	3.86	58.75	180	140	160
Unit 4	8.80	136.86	435	315	400
Unit 5	4.26	13.58	200	160	
Total	20.74	253.92			720
Parli					
Unit 3	0.00	0.00			0
Unit 4	0.00	0.00			0
Unit 5	0.00	0.00			0
Unit 6	0.00	0.00			0
Unit 7	0.00	0.00			0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.76	59.63	164	149	165
Unit 2	3.85	54.52	168	155	160
Unit 3	4.54	73.52	202	173	190
Unit 4	4.26	66.13	182	160	195
Unit 5	10.53	162.27	450	415	450
Unit 6	10.36	153.05	455	410	430
Unit 7	7.66	114.56	330	300	350
Total	44.96	683.69			1940
Paras					
Unit 3	5.80	88.02	254	227	250
Unit 4	5.88	86.19	260	234	250
Total	11.68	174.21			500
Khaparkheda					
Unit 1	3.79	49.96	185	130	170
Unit 2	3.48	57.29	180	105	140
Unit 3	3.06	59.32	165	0	170
Unit 4	3.79	63.02	202	136	140
Unit 5	7.76	144.88	366	297	325
Total	21.88	374.46			945
Nasik					
Unit 3	4.34	67.28	195	160	190
Unit 4	4.24	64.81	182	170	180
Unit 5	4.61	70.30	199	185	195
Total	13.20	202.39			565
Uran					
All Units	7.34	136.82	311	298	300
Total	7.34	136.82			300
PENCH (MS)					
Pench (MS)	0.16	2.88	25	0	
Total	0.16	2.88			
Koyna					
Stage 1-2	2.66	68.01	385	40	600
Stage 4	5.38	91.36	667	0	250
Stage 3	2.16	35.27	240	0	240
Kovna 12&4 Total	8.04	159.37			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.20	194.64			1090
Hydro					
KDPH	0.79	11.10	34	32	34
VTRNA	0.00	12.89	0	0	61
TILLARI	0.34	5.47	58	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.26	3.28	80	0	43
RNGR+BHTSA	0.26	4.40	12	11	12
BHANDARDRA	0.00	3.36	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.48	7.97	21	20	0
GHATGHAR	0.27	4.55	120	0	0
Total	2.42	53.37			210
Wind					
MalharPeth	0.28	8.07			
Vankuswadi	0.55	11.60			
ATIT	0.07	6.71			
Kale	0.32	5.49			
Satara	2.16	12.59			
Shirala	0.27	5.58			
K Mahankal	0.05	12.42			
Supa	0.12	1.92			
Vita	1.84	17.12			
Dondaicha	8.82	98.94			
Sakri	1.10	12.53			
Nandurbar	1.02	10.50			
Khandke	0.50	9.79			
Khaparale	0.87	11.22			
Total	17.99	224.49			
CPP					
JSW JAIGAD	21.58	425.15	903	895	820
WARDHA	7.77	124.30	328	318	327
Adani	8.88	219.59	390	350	617
Other CPPs	12.26	167.52			217
Total	50.50	936.56			1981
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.84	182.10	500	472	500
Trombay 6	5.85	83.36	302	152	500
Trombay 7A	2.94	47.01	125	121	120
Trombay 7B	1.61	25.72	68	66	60
Trombay 8	6.02	94.98	253	245	250
TATA Hydro	4.42	61.94	418	0	447
Total	32.69	495.11			1877
REL					
1&2	12.53	198.59	525	519	500
Total	12.53	198.59			500
Cent Sect					
Share					4776
Total					4776

MS PG CL	Thermal	120.14	1835.24			5010
	Thml+Gas	127.48	1972.06			5310
	Hydro	12.62	248.02			1300
	Total	140.09	2220.07			6610
State Total		253.96	3866.98			15744

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4926	985	305	6216	889	2037	4277	4596	-738	-635	13103	139	13242	2305	15547	49.91
2	5003	549	306	5858	831	2037	4338	4767	-629	-490	13003	210	13213	2111	15324	49.93
3	5036	250	307	5593	809	2033	4321	4668	-528	-371	12732	225	12957	1983	14940	49.90
4	5003	273	308	5584	856	2030	3937	4411	-484	-330	12551	245	12796	1941	14737	49.98
5	5000	214	308	5522	939	2036	3876	4347	-484	-315	12529	284	12813	1921	14734	50.04
6	5075	169	311	5555	870	2033	3879	4419	-484	-320	12557	438	12995	1939	14934	50.07
7	5069	105	307	5481	941	2039	3938	4160	-481	-348	12273	822	13095	1970	15065	50.13
8	5127	197	305	5629	752	2066	3875	4293	-482	-477	12263	813	13076	2099	15175	49.91
9	5113	379	303	5795	805	2081	3859	4204	-508	-507	12378	769	13147	2310	15457	49.95
10	5120	758	302	6180	669	2144	4346	4739	-658	-585	13147	585	13732	2596	16328	49.95
11	5059	817	310	6186	584	2185	4798	5302	-842	-762	13509	554	14063	2872	16935	49.96
12	4962	862	310	6134	784	2196	4906	5148	-914	-855	13432	631	14063	2961	17024	49.96
13	4884	888	308	6080	724	2209	4552	4998	-925	-800	13235	722	13957	2967	16924	50.06
14	4866	1053	301	6220	692	2195	4337	4704	-898	-775	13049	610	13659	2867	16526	50.03
15	4925	1307	298	6530	722	2201	4355	4753	-894	-767	13439	497	13936	2937	16873	49.93
16	4946	1118	298	6362	809	2164	4615	4946	-911	-818	13463	500	13963	2947	16910	50.03
17	4896	771	299	5966	774	2151	4500	4850	-899	-772	12969	529	13498	2911	16409	49.94
18	4924	245	304	5473	792	2094	3909	4113	-649	-752	11730	637	12367	2801	15168	49.96
19	5025	108	308	5441	664	2098	3847	4159	-546	-843	11539	472	12011	2650	14661	50.06
20	5103	304	307	5714	471	2150	4272	4549	-612	-580	12328	485	12813	2670	15483	50.00
21	5119	373	305	5797	517	2102	4541	5020	-681	-567	12892	327	13219	2595	15814	49.99
22	5020	248	309	5577	635	2079	4573	5215	-666	-593	12923	221	13144	2546	15690	50.03
23	4985	223	309	5517	724	2083	4895	5504	-735	-653	13175	170	13345	2477	15822	49.96
24	4949	420	311	5680	739	2052	4850	5503	-791	-694	13280	131	13411	2449	15860	50.07
MUs	120.14	12.62	7.34	140.09	17.99	50.50	103.60	113.37	-16.44	-14.61	307.50	11.02	318.52	59.82	378.34	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 16/May/2013

Position as on 6.30 Hrs of 17/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	16/05/2013	15.54	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	16/05/2013	10.33	Gas shortage.	
Dabhol 3X	290	07/05/2013	15.42	16/05/2013	13.33	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	16/05/2013	21.50	Boiler Tube Leakage.	
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.	Condenser Tube Leakage.	
Khaparkheda Unit 3	210	16/05/2013	20.17	17/05/2013	03.09	High furnace pressure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/May/2013

Position as on 6.30 Hrs of 17/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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	16/05/2013	06.46	Over Voltage
Kolhapur-Solapur(PGCIL)- I	15/05/2013	13.37	16/05/2013	08.26	Over Voltage.
Kolhapur - Mapusa - I	15/05/2013	17.12	16/05/2013	09.37	Over Voltage.
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		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	16/05/2013	23.01		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	16/05/2013	03.02	16/05/2013	09.20	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
Main Bus- I @ Nagothane	14/05/2013	10.20		Continued.	Bay maint.and Testing work.
Akola - Bhusawal	16/05/2013	08.55	16/05/2013	15.23	Line taken on tie bay to avail outage on main bay.
Dhule - Babaleshwar - II	16/05/2013	09.14		Continued.	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.
80 MVAR Reactor-II at BBLSR	16/05/2013	10.56		Continued.	Installation and demonstration of synchro TEQ plus.
80 MVAR Reactor @ Kharghar	16/05/2013	11.15	16/05/2013	17.17	Measurement of moisture content.
400 KV TBC @ Nagothane	16/05/2013	11.30		Continued.	Attending hot spot on Y ph.isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Koradi-Butibori	15/05/2013	08.10	16/05/2013	09.36	Overhauling of interruptors of CGL make SF6 BKR, Repl of R-Ph CT jumper.
Karad-Pedambe	16/05/2013	06.16	16/05/2013	15.22	Bay maint.work.
Tarapur - Ghodbundar	16/05/2013	06.41	16/05/2013	09.43	Replacement Insulator string.
220/132 KV 200 MVA ICT - II @ Theur	16/05/2013	09.05	16/05/2013	17.50	Half yearly maint.work
220/132KV,100 MVA ICT at Hingoli.	16/05/2013	09.28	16/05/2013	12.30	Pre monsoon maint.work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/May/2013

Position as on 6.30 Hrs of 17/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Mumewadi-Mudshingi	16/05/2013	09.55	16/05/2013	12.57	Repl. of flashover insulator string.
Pusad - Nanded	16/05/2013	12.31	16/05/2013	16.22	Relay testing work of line.
Inter Connector @ Kalwa	17/05/2013	06.42		Continued.	CT tan delta measurement.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol - Nagothane - I	13/05/2013	15.10	16/05/2013	19.06	For Attending Sparking on Bus-2 Side 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	16/05/2013	09.27	Over Voltage.
Padgha - Nagothane - I	17/05/2013	03.20		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	15/05/2013	19.15	16/05/2013	08.04	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.
400/220KV,500 MVA ICT-III at Kolhapur	16/05/2013	01.43	16/05/2013	02.32	NDR
Babaleshwar - Dhule - II	16/05/2013	10.39	16/05/2013	10.46	Tripped only from Blsr direct tripped chanal 1 received.
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)
Interconnector at Tarapur	16/05/2013	07.38	16/05/2013	09.30	Over load.
220/132 KV 100 MVA T/F - I @ Satara	16/05/2013	10.10	16/05/2013	10.20	Diff.protection.
Kurkumb-Bhigwan	16/05/2013	18.30	16/05/2013	19.02	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	145
Unit 7	210	110
	620	385
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	165
Unit 3	210	200
Unit 4	210	190
Unit 5	500	430
Unit 6	500	430
Unit 7	500	350
	2340	1930
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	170
Unit 3	210	150
Unit 4	210	190
Unit 5	500	360
	1340	1060
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	375
Other CPPs	300	200
	3225	1722
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	4540
	3455	4540