



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/May/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.754	2338.026	1) Gujrat	6.012	68.659
2) Hydro	17.526	292.109	2) Madhya Pradesh	15.432	341.727
3) Gas	11.111	211.233	3) Chattisgarh	9.600	206.320
Total MSGENCO	156.391	2841.368	4) Maharashtra	65.969	1123.905
B) OTHERS			5) Goa	-6.406	-128.970
1) JSW JAIGAD	28.524	515.504	6) TAPS 1&2 Injection	7.705	146.916
2) WPCL	10.290	167.136	7) RGPPL Injection	20.589	401.596
3) Other CPP / IPP	6.732	161.083	8) Pench (Excess)	-0.004	-2.444
4) Wind Generation	15.209	241.530	# Total Cent. Sector	118.897	2157.709
5) PENCH (MS)	0.004	2.444	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.597	-255.438
1) TPCL Thermal	27.133	518.819	G) Bilateral Power *		
2) TPCL Hydro	4.263	76.863	1) MSEDCL Bilateral	39.969	724.208
TOTAL TPCL	31.396	595.682	Include PX	0.000	-3.548
3) REL Thermal	6.693	232.634	2) MUMBAI Bilateral	15.630	263.126
D) STATE			Include PX	1.043	45.603
1) Thermal (A1+C1+C3)	161.580	3089.479	3) MUMBAI Schedule	19.736	267.233
2) Hydro (A2+B5+C2)	21.793	371.416	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.111	211.233	1) MSEDCL	318.450	5831.336
4) Wind (B4)	15.209	241.530	2) TPCL	36.621	716.792
5) CPP (B1+B2+B3)	45.546	843.723	3) REL	19.063	366.918
TOTAL STATE	255.239	4757.381	TOTAL STATE	374.134	6915.046

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5322	5182	5437
MSGENCO Hydro	1656	1250	155
MSGENCO Gas	442	456	473
MSGENCO Total Generation	7420	6888	6065
Central Sector Receipt	5002	5033	4593
WIND	395	714	733
CPP / IPP	1906	1903	1892
Exchange with Mumbai	-898	-844	-597
MSEDCL DEMAND MET	13825	13694	12686
Load Shedding	839	638	339
MSEDCL DEMAND	14664	14332	13025
TPCL GENERATION	1608	1509	996
R-INFRA GENERATION	264	264	263
TPCL+R-INFRA DEMAND	2770	2617	1856
STATE DEMAND MET	16595	16311	14542
STATE DEMAND	17434	16949	14881
Frequency (Hz)	49.72	49.71	49.57

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 18:00 Hrs	49.03 Hz at 23:07 Hrs	49.69	1.39 % 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 19/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.61	60.57	160	135	155
Unit 6	3.50	54.77	170	121	140
Unit 7	3.80	67.35	170	140	165
Total	10.92	182.69			460
Bhusawal					
Unit 2	3.74	70.10	175	130	170
Unit 3	4.29	74.56	190	165	170
Unit 4	2.66	50.42	130	86	0
Unit 5	0.00	0.00	0	0	0
Total	10.69	195.08			340
Parli					
Unit 3	4.65	86.34	203	175	192
Unit 4	3.72	69.52	166	143	175
Unit 5	3.88	75.88	172	126	170
Unit 6	4.35	76.07	251	100	240
Unit 7	5.54	63.41	246	214	240
Total	22.14	371.23			1017
Chandrapur					
Unit 1	3.87	62.22	165	157	165
Unit 2	3.75	69.67	164	148	160
Unit 3	3.84	79.59	185	118	170
Unit 4	0.00	71.55	0	0	0
Unit 5	9.58	205.62	425	375	425
Unit 6	9.62	186.78	425	345	420
Unit 7	9.78	132.05	425	385	430
Total	40.44	807.48			1770
Paras					
Unit 3	5.91	100.92	257	216	250
Unit 4	0.00	0.59	0	0	0
Total	5.91	101.51			250
Khaparkheda					
Unit 1	4.26	76.47	195	130	180
Unit 2	4.18	80.06	185	153	180
Unit 3	4.61	84.68	206	169	190
Unit 4	4.97	86.18	214	201	190
Unit 5	6.14	96.03	287	223	250
Total	24.16	423.42			990
Nasik					
Unit 3	4.90	90.86	223	165	210
Unit 4	4.35	84.61	210	147	210
Unit 5	4.25	81.15	192	161	190
Total	13.49	256.62			610
Uran					
All Units	11.11	211.23	557	306	460
Total	11.11	211.23			460
PENCH (MS)					
Pench (MS)	0.00	2.44	4	0	0
Total	0.00	2.44			0
Koyna					
Stage 1-2	5.96	79.43	500	45	600
Stage 4	5.47	92.37	792	0	250
Stage 3	2.03	37.18	240	0	240
Kovna 12&4 Total	11.43	171.80			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.46	208.99			1090
Hydro					
KDPH	0.59	12.68	36	15	36
VTRNA	1.14	18.58	61	0	60
TILLARI	0.11	1.35	55	0	60
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.25	3.74	80	0	80
RNGR+BHTSA	0.26	5.20	11	10	11
BHANDARDRA	0.25	9.72	11	10	10
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.48	10.42	27	18	9
GHATGHAR	0.98	17.38	250	0	0
Total	4.06	83.12			266
Wind					
MalharPeth	0.85	8.48			
Vankuswadi	0.97	12.83			
ATIT	0.13	2.24			
Kale	0.24	4.98			
Satara	2.67	17.01			
Shirala	0.36	4.30			
K Mahankal	0.02	9.55			
Supa	0.26	3.59			
Vita	1.96	18.67			
Dondaicha	5.25	114.89			
Sakri	0.68	13.07			
Nandurbar	0.51	10.90			
Khandke	0.72	11.23			
Khaparale	0.59	9.77			
Total	15.21	241.53			
CPP					
JSW JAIGAD	28.52	515.50	1205	1170	1070
WARDHA	10.29	167.14	448	400	440
Other CPPs	6.73	161.08			
Total	45.55	843.72			1510
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.88	209.42	505	461	500
Trombay 6	7.40	116.08	381	157	500
Trombay 7A	2.92	54.48	125	119	120
Trombay 7B	1.63	30.58	69	67	60
Trombay 8	3.30	108.24	187	128	150
TATA Hydro	4.26	76.86	423	0	447
Total	31.40	595.68			1777
REL					
1&2	6.69	232.63	524	261	250
Total	6.69	232.63			250
Cent Sect					
Share					5235
Total					5235

MS PG CL	Thermal	127.75	2338.03			5437
	Thml+Gas	138.86	2549.26			5897
	Hydro	17.53	292.11			1356
	Total	156.39	2841.37			7253
State Total		255.24	4757.38			16025

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/May/2012

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	5423	1052	475	6950	449	1873	4937	4859	-696	-585	13546	196	13742	2305	16047	49.49
2	5385	644	476	6505	651	1898	4876	4785	-694	-595	13244	311	13555	2084	15639	49.57
3	5398	471	475	6344	683	1913	4834	4658	-724	-654	12944	331	13275	1933	15208	49.69
4	5437	155	473	6065	733	1892	4798	4593	-684	-597	12686	339	13025	1856	14881	49.57
5	5467	136	471	6074	823	1910	4761	4606	-650	-586	12827	347	13174	1820	14994	49.50
6	5457	286	470	6213	821	1883	4847	4730	-622	-615	13032	474	13506	1847	15353	49.64
7	5471	215	478	6164	815	1895	4845	4517	-559	-607	12784	750	13534	1814	15348	49.76
8	5475	332	306	6113	600	1872	4829	4808	-550	-588	12805	752	13557	1855	15412	49.76
9	5507	357	320	6184	658	1898	4860	4882	-602	-597	13025	737	13762	2066	15828	49.73
10	5467	932	354	6753	545	1878	5094	5212	-835	-734	13654	542	14196	2405	16601	49.76
11	5407	1232	442	7081	449	1886	5276	5354	-946	-869	13901	578	14479	2694	17173	49.64
12	5322	1656	442	7420	395	1906	5319	5002	-977	-898	13825	839	14664	2770	17434	49.72
13	5300	1562	447	7309	387	1926	5330	4722	-988	-881	13463	979	14442	2770	17212	49.72
14	5236	1332	450	7018	371	1923	5310	4991	-959	-859	13444	819	14263	2672	16935	49.65
15	5236	1444	447	7127	423	1908	5229	5072	-982	-870	13660	673	14333	2690	17023	49.57
16	5248	1772	447	7467	557	1908	5117	4990	-982	-891	14031	590	14621	2682	17303	49.51
17	5182	1250	456	6888	714	1903	5100	5033	-968	-844	13694	638	14332	2617	16949	49.71
18	5196	299	465	5960	828	1899	5026	4828	-887	-771	12744	535	13279	2508	15787	49.75
19	5170	168	479	5817	852	1901	5356	4573	-903	-837	12306	352	12658	2425	15083	49.89
20	5243	236	527	6006	831	1890	5530	5340	-927	-739	13332	539	13871	2464	16335	49.84
21	5245	219	552	6016	723	1907	5481	5359	-856	-709	13296	390	13686	2464	16150	49.89
22	5244	164	557	5965	629	1895	5495	5439	-883	-721	13207	183	13390	2385	15775	49.96
23	5127	665	551	6343	626	1882	5236	5280	-913	-752	13379	75	13454	2298	15752	49.60
24	5111	947	551	6609	646	1900	5152	5264	-949	-798	13621	69	13690	2262	15952	49.55
MUs	127.75	17.53	11.11	156.39	15.21	45.55	122.64	118.90	-19.74	-17.60	318.45	12.04	330.49	55.69	386.17	49.69

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 19/May/2012

Position as on 6.30 Hrs of 20/May/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	30/05/2012
Cent_Sect NTPC (V-1)	210	14/05/2012	00.15		Continued.	Annual Overhaul.	
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Cent_Sect Kawas GT2A	106	26/04/2012	18.13		Continued.	Less Requisition	
Uran Unit 6	108	07/05/2012	19.46		Continued.	Gas shortage.	
Koyna Unit 12	80	16/05/2012	22:30		Continued.	Rotor earth fault.	
Dabhol 2B	230	17/05/2012	16.37		Continued.	W/Dn due to gas shortage.	
Chandrapur Unit 4	210	18/05/2012	22:02		Continued.	Boiler Tube Leakage.	
REL 2	250	19/05/2012	01.30		Continued.	Boiler tube leakage.	21/05/2012
CPP JSW (J) U3	300	20/05/2012	00.42	20/05/2012	05.17	On external fault.	
Koradi Unit 7	210	20/05/2012	08:27		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 4	500	20/05/2012	18:41		Continued.	Inspection by M/S BHEL.	
Parli Unit 3	210	20/05/2012	19:40		Continued.	P.A. Fan Problem.	
Nasik Unit 4	210	20/05/2012	21:30		Continued.	Control Supply Fail.	
Chandrapur Unit 6	500	20/05/2012	23.09		Continued.	Air Heater problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/May/2012

Position as on 6.30 Hrs of 20/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parly(PG) - Wardha (PG) - I	12/05/2012	20.40		Continued.	Over voltage
Akola - Aurangabad - II	18/05/2012	10.17	19/05/2012	06.48	Maintenance work.
Talegaon(PG)-Padgha	20/05/2012	08.35	20/05/2012	17.33	Replacement of Faulty Insulator
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Sarani - Pandurna	10/05/2012	08.38		Continued.	Erection of New Tower @ Loc.No.4AR/MC 10 Outage upto
Mahalakshimi-Amona-I	19/05/2012	08.30	19/05/2012	19.08	Old line insulator replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	19/05/2012	08.02	20/05/2012	09.44	Over Voltage.
Kolhapur - Mapusa - I	20/05/2012	17.58		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
Koradi-Akola	18/05/2012	06.05	20/05/2012	21.42	LILO arrangement work.
400/220KV,500MVA ICT-III At Kalwa.	18/05/2012	08.24	19/05/2012	09.20	Replacement of PT and tan delta of T/F bushing of CT,R.M. work.
400/220 KV 315 MVA ICT-II @ Dhule	19/05/2012	08.16	19/05/2012	17.19	Stringing from cut point to beam.
400/220 KV315 MVA ICT-I @ BBLR	19/05/2012	08.28	19/05/2012	21.15	Pre monsoon work,CT tan delta measurement.
Main Bus - I @ 400 KV Akola	19/05/2012	09.00	19/05/2012	18.28	Extension of gantry beam.
Karad - Kolhapur - II	19/05/2012	09.36	19/05/2012	22.23	Replacement of faulty disc insulator.
400/132KV 200 MVA ICT-I @ Bhusawal	19/05/2012	11.35	19/05/2012	13.16	Inspection work.
Karad-Jaigad I	19/05/2012	14.34	19/05/2012	16.46	Cold line insulator washing.
400/220/33KV,500 MVA ICT-I At Kalwa	20/05/2012	08.24	20/05/2012	08.34	Bird Nest Remove
Karad-Jaigad I	20/05/2012	14.02	20/05/2012	16.10	Cold Line Insulator washing
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthening work
Kharghar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50	20/05/2012	15.58	Mumbai System Strengthening Work.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Auxiliary Bus @ Babhleshwar	08/05/2012	09.20		Continued.	Conductor Replacement Work.
220/132 KV 200 MVA ICT - II @ Malegaon	18/05/2012	08.10	19/05/2012	11.15	For attending oil leakage of OLTC.
Babaleshwar - Bhenda	18/05/2012	08.13	20/05/2012	17.30	Increase ground clearance of 220KV

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/May/2012

Position as on 6.30 Hrs of 20/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					BBLSR-Bhenda at Loc.No.54 to 72.
Trombay(T)-Trombay(M)Tie-I	19/05/2012	08.15	19/05/2012	13.37	Cold line washing of bay at Tata end.
Lote-Dasturi	19/05/2012	08.52	19/05/2012	17.27	Providing anticorrosive paint to cross arm.
Karad-Pedambe	19/05/2012	09.00	20/05/2012	19.29	Replacement of old disc insulator.
New Koyna-Pophali	19/05/2012	09.26	19/05/2012	16.08	P.M.work
Trombay(T)-Trombay(M)Tie-II	19/05/2012	13.59	19/05/2012	18.51	Cold line washing of bay at Tata end.
Kalwa-Temghar	19/05/2012	14.40	19/05/2012	17.40	To attend hot spot on Y ph.bus isolator.
Kalwa - Salshet - III	20/05/2012	08.00	20/05/2012	18.22	Replacement of CVT and Testing work
Dharavi - Trombay - 5	20/05/2012	08.05		Continued.	Piling work
Uran - Nerul	20/05/2012	09.05	20/05/2012	15.58	Normalization of Uran-Kharghar-I
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/05/2012	18.08	20/05/2012	07.49	Over Voltage.
Bhusawal- Aurangabad	20/05/2012	21.43		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Aurangabad-I	12/05/2012	15.47		Continued.	PSB operated,Ready for Charging from 16.20 dt 12.05.2012
Newkoyna - Jaigad - I	19/05/2012	03.11	19/05/2012	03.34	Distance protection.
Karad-Jaigad I	19/05/2012	03.43	19/05/2012	04.01	Distance protection.
New Koyna-Jaigad II	19/05/2012	04.11	19/05/2012	04.28	Distance protection.
Karad-Jaigad I	19/05/2012	21.36	20/05/2012	02.38	Distance protection.
New Koyna-Jaigad II	20/05/2012	02.38	20/05/2012	13.29	Distance protection.
Lonikand- Koyna Stage IV	20/05/2012	23.07		Continued.	Distance Protection
New Koyna-Karad-II	20/05/2012	23.11		Continued.	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Oni	19/05/2012	12.42	19/05/2012	15.15	Disatance protection.
Nasik - Ghatghar	19/05/2012	13.05	19/05/2012	13.55	Disatance protection.
Pedambe-Pophali I	19/05/2012	13.15	19/05/2012	14.55	Disatance protection Zone-1 R ph.
Pophali - Pedambe - II	19/05/2012	13.15	19/05/2012	14.55	Tripping from Pedambe end only.
Ghodbandar - Bhoisor (MSETCL)	20/05/2012	14.39	20/05/2012	15.20	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Amalner - Chopda	20/05/2012	13.20	20/05/2012	13.40	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	150
Unit 7	210	160
	620	450
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	340
Parli		
Unit 3	210	196
Unit 4	210	175
Unit 5	210	130
Unit 6	250	115
Unit 7	250	210
	1130	826
Chandrapur		
Unit 1	210	165
Unit 2	210	150
Unit 3	210	180
Unit 4	210	0
Unit 5	500	430
Unit 6	500	410
Unit 7	500	425
	2340	1760
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	250
	1340	990
Nasik		
Unit 3	210	210
Unit 4	210	180
Unit 5	210	190
	630	580
Uran		
All Units	852	630
	852	630
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	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	55
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	11
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	261
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	600	1085
WARDHA	405	430
Other CPPs	0	
	1005	1515
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	145
TATA Hydro	444	447
	2024	1772
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5272
	3455	5272

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