



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/May/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.770	2564.504	1) Gujrat	6.955	82.787
2) Hydro	29.097	338.140	2) Madhya Pradesh	18.316	376.006
3) Gas	15.032	241.101	3) Chattisgarh	12.950	229.850
Total MSGENCO	147.899	3143.745	4) Maharashtra	69.068	1259.866
B) OTHERS			5) Goa	-7.269	-142.702
1) JSW JAIGAD	28.306	569.709	6) TAPS 1&2 Injection	7.690	162.333
2) WPCL	8.652	185.924	7) RGPPL Injection	20.517	442.721
3) Other CPP / IPP	5.626	173.532	8) Pench (Excess)	-0.139	-2.704
4) Wind Generation	16.297	270.946	# Total Cent. Sector	128.088	2408.157
5) PENCH (MS)	0.139	2.704	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.873	-285.761
1) TPCL Thermal	29.565	573.337	G) Bilateral Power *		
2) TPCL Hydro	3.999	81.355	1) MSEDCL Bilateral	39.814	801.428
TOTAL TPCL	33.564	654.692	Include PX	0.000	-3.548
3) REL Thermal	10.319	249.275	2) MUMBAI Bilateral	14.390	296.658
D) STATE			Include PX	2.074	53.165
1) Thermal (A1+C1+C3)	143.654	3387.116	3) MUMBAI Schedule	15.983	302.357
2) Hydro (A2+B5+C2)	33.235	422.199	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.032	241.101	1) MSEDCL	320.134	6468.956
4) Wind (B4)	16.297	270.946	2) TPCL	39.096	786.718
5) CPP (B1+B2+B3)	42.584	929.165	3) REL	19.660	402.964
TOTAL STATE	250.802	5250.527	TOTAL STATE	378.890	7658.638

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	4287	4348	4175
MSGENCO Hydro	1926	1388	1064
MSGENCO Gas	617	619	634
MSGENCO Total Generation	6830	6355	5873
Central Sector Receipt	5925	5046	4780
WIND	458	1009	759
CPP / IPP	1748	1745	1867
Exchange with Mumbai	-756	-691	-397
MSEDCL DEMAND MET	14205	13464	12882
Load Shedding	863	789	330
MSEDCL DEMAND	15068	14253	13212
TPCL GENERATION	1690	1746	1093
R-INFRA GENERATION	522	522	264
TPCL+R-INFRA DEMAND	2968	2959	1754
STATE DEMAND MET	17173	16423	14636
STATE DEMAND	18036	17212	14966
Frequency (Hz)	49.66	49.77	49.72

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 18.03 Hrs	49.14 Hz at 14.18 Hrs	49.77	.35 % 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 21/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.53	67.72	159	112	140
Unit 6	3.84	62.41	173	145	160
Unit 7	0.00	68.69	0	0	0
Total	7.37	198.83			300
Bhusawal					
Unit 2	3.49	77.28	155	135	160
Unit 3	4.14	82.90	180	160	170
Unit 4	0.00	52.32	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	7.62	212.50			330
Parli					
Unit 3	0.00	90.17	0	0	0
Unit 4	3.90	77.40	186	135	175
Unit 5	4.01	83.19	180	143	170
Unit 6	5.17	86.09	254	115	240
Unit 7	4.67	73.15	227	131	240
Total	17.75	410.00			825
Chandrapur					
Unit 1	3.83	69.87	165	150	165
Unit 2	3.74	77.14	162	152	160
Unit 3	4.03	87.53	181	135	180
Unit 4	0.00	71.56	3	0	0
Unit 5	10.34	226.44	450	405	425
Unit 6	0.00	195.81	0	0	0
Unit 7	9.72	151.52	428	364	400
Total	31.67	879.88			1330
Paras					
Unit 3	5.72	112.29	251	214	250
Unit 4	0.00	0.59	0	0	0
Total	5.72	112.88			250
Khaparkheda					
Unit 1	4.02	84.82	190	110	180
Unit 2	3.89	88.20	185	135	140
Unit 3	4.46	93.90	199	174	170
Unit 4	4.85	95.74	215	194	200
Unit 5	3.89	105.67	190	140	150
Total	21.11	468.32			840
Nasik					
Unit 3	5.34	101.40	225	220	210
Unit 4	2.85	91.00	190	0	0
Unit 5	4.34	89.70	188	165	190
Total	12.52	282.10			400
Uran					
All Units	15.03	241.10	638	610	630
Total	15.03	241.10			630
PENCH (MS)					
Pench (MS)	0.14	2.70	25	0	
Total	0.14	2.70			
Koyna					
Stage 1-2	9.38	94.15	575	45	600
Stage 4	11.17	109.46	853	0	250
Stage 3	5.00	44.90	240	0	320
Kovna 12&4 Total	20.54	203.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	25.54	248.51			1170
Hydro					
KDPH	0.60	13.69	34	15	36
VTRNA	1.10	20.76	61	0	60
TILLARI	0.07	1.52	56	0	60
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.14	4.04	51	0	55
RNGR+BHTSA	0.26	5.72	11	10	11
BHANDARDRA	0.26	10.26	11	11	12
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.42	11.24	25	15	9
GHATGHAR	0.71	18.34	220	0	0
Total	3.56	89.63			243
Wind					
MalharPeth	0.79	10.04			
Vankuswadi	0.74	14.61			
ATIT	0.42	2.83			
Kale	0.30	5.64			
Satara	0.68	19.94			
Shirala	0.33	4.91			
K Mahankal	0.74	10.32			
Supa	0.37	4.15			
Vita	1.64	21.50			
Dondaicha	7.07	126.61			
Sakri	0.84	14.53			
Nandurbar	0.71	12.09			
Khandke	0.97	12.77			
Khaparale	0.70	11.00			
Total	16.30	270.95			
CPP					
JSW JAIGAD	28.31	569.71	1200	1085	1085
WARDHA	8.65	185.92	436	313	365
Other CPPs	5.63	173.53			
Total	42.58	929.16			1450
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.93	233.17	504	468	500
Trombay 6	7.14	128.30	444	156	500
Trombay 7A	2.94	60.38	125	120	120
Trombay 7B	1.63	33.84	69	67	60
Trombay 8	5.93	117.64	250	244	250
TATA Hydro	4.00	81.36	398	0	447
Total	33.56	654.69			1877
REL					
1&2	10.32	249.28	524	263	250
Total	10.32	249.28			250
Cent Sect					
Share					5363
Total					5363

MS PG CL	Thermal	103.77	2564.50			4275
	Thml+Gas	118.80	2805.60			4905
	Hydro	29.10	338.14			1413
	Total	147.90	3143.74			6318
State Total		250.80	5250.53			15258

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4225	1441	635	6301	701	1844	4982	5608	-859	-817	13637	239	13876	2184	16060	49.76
2	4176	1245	636	6057	636	1752	4880	5408	-758	-644	13209	297	13506	2002	15508	49.78
3	4206	1223	635	6064	605	1832	4747	5180	-693	-512	13169	312	13481	1868	15349	49.78
4	4221	956	636	5813	744	1866	4746	4882	-643	-425	12880	321	13201	1782	14983	49.78
5	4175	1064	634	5873	759	1867	4750	4780	-616	-397	12882	330	13212	1754	14966	49.72
6	4199	1353	636	6188	754	1805	4775	4945	-538	-425	13267	457	13724	1785	15509	49.69
7	4133	943	638	5714	548	1792	4739	5198	-461	-384	12868	758	13626	1799	15425	49.94
8	4222	886	635	5743	549	1793	4767	5395	-496	-480	13000	763	13763	1905	15668	49.86
9	4380	1172	616	6168	439	1786	4818	5272	-496	-544	13121	775	13896	2223	16119	49.96
10	4391	1554	620	6565	492	1790	5100	5854	-625	-650	14051	558	14609	2611	17220	49.76
11	4317	1817	618	6752	342	1780	5225	6074	-730	-724	14224	662	14886	2879	17765	49.70
12	4287	1926	617	6830	458	1748	5327	5925	-804	-756	14205	863	15068	2968	18036	49.66
13	4296	1954	610	6860	475	1696	5407	5584	-805	-790	13825	958	14783	2967	17750	49.79
14	4360	1890	612	6862	611	1708	5409	5020	-741	-753	13448	846	14294	2921	17215	49.78
15	4344	1858	612	6814	770	1706	5253	5332	-702	-775	13847	710	14557	2960	17517	49.62
16	4407	1758	618	6783	827	1727	5162	5439	-759	-693	14083	677	14760	2962	17722	49.68
17	4348	1388	619	6355	1009	1745	5158	5046	-748	-691	13464	789	14253	2959	17212	49.77
18	4452	398	618	5468	1015	1747	5026	5009	-619	-696	12545	758	13303	2879	16182	49.95
19	4443	186	636	5265	1147	1756	5122	5079	-612	-678	12589	591	13180	2663	15843	50.01
20	4463	347	635	5445	874	1755	5330	5368	-676	-548	12914	796	13710	2708	16418	49.85
21	4482	446	636	5564	692	1763	5267	5273	-607	-512	12803	775	13578	2625	16203	49.82
22	4423	492	624	5539	646	1777	5257	5463	-638	-577	12872	758	13630	2463	16093	49.71
23	4385	1088	633	6106	638	1762	5209	5694	-696	-692	13533	322	13855	2460	16315	49.54
24	4435	1712	623	6770	566	1787	5156	5260	-659	-710	13698	257	13955	2429	16384	49.58
MUs	103.77	29.10	15.03	147.90	16.30	42.58	121.61	128.09	-15.98	-14.87	320.13	14.57	334.71	58.76	393.46	49.77

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 21/May/2012

Position as on 6.30 Hrs of 22/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-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	
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	21/05/2012	23.56	Boiler Tube Leakage.	
REL 2	250	19/05/2012	01.30	21/05/2012	07.25	Boiler tube leakage.	
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	21/05/2012	07.09	Control Supply Fail.	
Chandrapur Unit 6	500	20/05/2012	23.09		Continued.	Air Heater problem	
CPP WPCL U-3	135	21/05/2012	05.36		Continued.	Bottom Ash Problem	
Koyna ST - IV 4	250	21/05/2012	06.12		Continued.	Load Variation problem	
Cent_Sect NTPC(V-10)	500	21/05/2012	09.12	21/05/2012	11.39	Reheater Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/May/2012

Position as on 6.30 Hrs of 22/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
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
Wardha - Deoli (PGCIL)	21/05/2012	09.56	21/05/2012	21.13	IPS Tube replacement at Deoli
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni - Wardha - I	17/05/2012	01.49	21/05/2012	09.10	Over Voltage
Kolhapur - Mapusa - I	20/05/2012	17.58	21/05/2012	08.27	Over Voltage
Kolhapur - Mapusa - I	21/05/2012	17.56		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
Karad-Jaigad II	21/05/2012	16.29	21/05/2012	20.20	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
Khargar-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
Nerul-Kharghar	19/02/2012	07.50	21/05/2012	17.52	Mumbai 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.
Dharavi - Trombay - 5	20/05/2012	08.05		Continued.	Piling work
Kharepatan-Pawas	21/05/2012	09.20	21/05/2012	16.54	Bus Outage
Badnera - Deoli (PGCIL)	21/05/2012	10.02	21/05/2012	21.15	IPS Tube replacement at Deoli
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	20/05/2012	21.43	21/05/2012	07.18	Over Voltage
Bhusawal- Aurangabad	21/05/2012	18.12		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Aurangabad-I	12/05/2012	15.47	21/05/2012	10.03	PSB operated,Ready for Charging from 16.20 dt 12.05.2012
Jejuri-Koyna STG-IV	20/05/2012	22.49	21/05/2012	01.34	Distance Protection
Lonikand- Koyna Stage IV	20/05/2012	23.07	21/05/2012	11.31	Distance Protection
New Koyna-Karad-II	20/05/2012	23.11	21/05/2012	15.02	Distance Protection
New Koyna - Karad - I	21/05/2012	00.19	21/05/2012	01.40	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Pawas-Kharepatan	21/05/2012	04.05	21/05/2012	04.23	Distance Protection
Apta-Kalwa	21/05/2012	11.34	21/05/2012	12.37	Distance Protection

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/May/2012

Position as on 6.30 Hrs of 22/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nivali-N'koyna	21/05/2012	13.00	21/05/2012	14.06	Distance Protection
Kharepatan-Pawas	22/05/2012	03.05	22/05/2012	03.36	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	160
Unit 7	210	0
	620	315
Bhusawal		
Unit 2	210	160
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	330
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	173
Unit 6	250	250
Unit 7	250	160
	1130	753
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	180
Unit 4	210	100
Unit 5	500	450
Unit 6	500	0
Unit 7	500	425
	2340	1480
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	185
Unit 2	210	165
Unit 3	210	190
Unit 4	210	195
Unit 5	500	150
	1340	885
Nasik		
Unit 3	210	210
Unit 4	210	180
Unit 5	210	170
	630	560
Uran		
All Units	852	630
	852	630
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	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	11
BHANDARDRA	45	11
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	207
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	810
WARDHA	405	332
Other CPPs	0	
	1005	1142
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	5641
	3455	5641

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