



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/May/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.253	3390.941	1) Gujrat	9.003	134.652
2) Hydro	16.957	462.229	2) Madhya Pradesh	29.254	530.355
3) Gas	12.442	323.757	3) Chattisgarh	13.800	314.780
Total MSGENCO	147.652	4176.927	4) Maharashtra	49.283	1663.030
B) OTHERS			5) Goa	-6.883	-194.663
1) JSW JAIGAD	28.489	762.082	6) TAPS 1&2 Injection	7.717	216.374
2) WPCL	9.230	244.344	7) RGPPL Injection	19.183	597.798
3) Other CPP / IPP	6.078	216.797	8) Pench (Excess)	-0.250	-3.842
4) Wind Generation	20.098	410.088	# Total Cent. Sector	121.107	3258.484
5) PENCH (MS)	0.250	3.842	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.905	-383.454
1) TPCL Thermal	26.768	766.008	G) Bilateral Power *		
2) TPCL Hydro	4.908	109.973	1) MSEDCL Bilateral	39.866	1069.075
TOTAL TPCL	31.676	875.981	Include PX	0.000	-3.548
3) REL Thermal	12.529	337.086	2) MUMBAI Bilateral	16.273	401.011
D) STATE			Include PX	2.559	72.958
1) Thermal (A1+C1+C3)	157.550	4494.035	3) MUMBAI Schedule	16.273	406.710
2) Hydro (A2+B5+C2)	22.115	576.044	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.442	323.757	1) MSEDCL	316.999	8689.110
4) Wind (B4)	20.098	410.088	2) TPCL	40.305	1056.265
5) CPP (B1+B2+B3)	43.797	1223.223	3) REL	19.802	540.202
TOTAL STATE	256.002	7027.147	TOTAL STATE	377.106	10285.577

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	4828	4921	4787
MSGENCO Hydro	1473	1172	243
MSGENCO Gas	512	517	525
MSGENCO Total Generation	6813	6610	5555
Central Sector Receipt	5312	4958	4797
WIND	786	949	951
CPP / IPP	1795	1781	1847
Exchange with Mumbai	-761	-857	-474
MSEDCL DEMAND MET	13945	13441	12699
Load Shedding	843	816	325
MSEDCL DEMAND	14788	14257	13024
TPCL GENERATION	1699	1580	879
R-INFRA GENERATION	520	521	523
TPCL+R-INFRA DEMAND	2980	2958	1876
STATE DEMAND MET	16925	16399	14575
STATE DEMAND	17768	17215	14900
Frequency (Hz)	49.70	49.73	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 18.03 Hrs	48.95 Hz at 14.52 Hrs	49.76	.56 % 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 28/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.75	89.70	139	88	135
Unit 6	0.67	82.60	120	0	0
Unit 7	3.36	89.86	155	105	155
Total	6.78	262.16			290
Bhusawal					
Unit 2	3.38	97.08	155	130	150
Unit 3	3.98	110.88	170	165	170
Unit 4	5.29	71.54	290	191	0
Unit 5	0.00	0.00	0	0	0
Total	12.65	279.50			320
Parli					
Unit 3	4.67	119.23	203	180	195
Unit 4	3.88	101.76	178	132	167
Unit 5	4.06	110.95	180	152	184
Unit 6	3.34	118.56	189	94	130
Unit 7	4.80	106.06	231	174	215
Total	20.75	556.56			891
Chandrapur					
Unit 1	3.91	97.17	167	156	165
Unit 2	3.83	103.59	165	133	165
Unit 3	4.19	116.42	188	144	185
Unit 4	4.45	96.95	198	157	200
Unit 5	10.77	301.73	460	435	450
Unit 6	4.65	200.46	345	0	200
Unit 7	9.96	222.81	440	350	425
Total	41.76	1139.13			1790
Paras					
Unit 3	5.71	153.58	247	231	250
Unit 4		0.59	0	0	0
Total	5.71	154.17			250
Khaparkheda					
Unit 1	3.98	113.46	200	105	140
Unit 2	2.29	115.01	185	25	100
Unit 3	4.41	125.34	209	145	140
Unit 4	1.89	124.72	200	0	0
Unit 5	3.58	140.59	277	0	0
Total	16.15	619.13			380
Nasik					
Unit 3	5.20	137.78	220	210	210
Unit 4	4.63	121.33	208	175	210
Unit 5	4.62	121.18	207	177	195
Total	14.45	380.29			615
Uran					
All Units	12.44	323.76	525	509	500
Total	12.44	323.76			500
PENCH (MS)					
Pench (MS)	0.25	3.84	25	0	
Total	0.25	3.84			
Koyna					
Stage 1-2	4.92	129.22	560	40	600
Stage 4	6.80	157.36	832	0	250
Stage 3	2.55	62.55	240	0	320
Kovna 12&4 Total	11.72	286.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.28	349.13			1170
Hydro					
KDPH	0.49	17.78	32	15	18
VTRNA	1.10	28.38	61	0	60
TILLARI	0.00	1.95	0	0	0
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.15	5.39	49	0	40
RNGR+BHTSA	0.25	7.48	12	10	10
BHANDARDRA	0.18	11.96	10	0	13
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.51	14.82	29	18	8
GHATGHAR	0.00	21.29	0	0	0
Total	2.68	113.10			149
Wind					
MalharPeth	0.68	15.62			
Vankuswadi	0.91	22.42			
ATIT	0.16	4.98			
Kale	0.64	9.03			
Satara	2.53	29.39			
Shirala	0.41	8.77			
K Mahankal	0.06	15.93			
Supa	0.18	6.08			
Vita	1.69	31.99			
Dondaicha	8.89	187.10			
Sakri	1.12	22.46			
Nandurbar	0.93	17.85			
Khandke	1.05	20.90			
Khaparale	0.85	17.56			
Total	20.10	410.09			
CPP					
JSW JAIGAD	28.49	762.08	1202	1165	1090
WARDHA	9.23	244.34	446	354	410
Other CPPs	6.08	216.80			
Total	43.80	1223.22			1500
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.92	310.70	503	281	500
Trombay 6	5.26	169.62	348	155	500
Trombay 7A	2.94	80.85	125	120	120
Trombay 7B	1.62	45.18	69	67	60
Trombay 8	6.02	159.66	253	248	250
TATA Hydro	4.91	109.97	442	0	447
Total	31.68	875.98			1877
REL					
1&2	12.53	337.09	525	519	500
Total	12.53	337.09			500
Cent Sect					
Share					5224
Total					5224

MS PG CL	Thermal	118.25	3390.94			4536
	Thml+Gas	130.70	3714.70			5036
	Hydro	16.96	462.23			1319
	Total	147.65	4176.93			6355
State Total		256.00	7027.15			15456

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	4842	1108	519	6469	744	1816	5064	5263	-691	-690	13627	234	13861	2319	16180	49.67
2	4855	1009	520	6384	932	1842	4957	4867	-595	-593	13457	284	13741	2157	15898	49.78
3	4849	343	522	5714	877	1843	4821	5097	-511	-522	13034	297	13331	2014	15345	49.79
4	4692	359	523	5574	1139	1849	4768	4874	-480	-489	12972	310	13282	1914	15196	49.86
5	4787	243	525	5555	951	1847	4774	4797	-480	-474	12699	325	13024	1876	14900	49.88
6	4608	299	524	5431	920	1846	4793	5133	-480	-464	12889	445	13334	1892	15226	49.82
7	4572	228	525	5325	752	1852	4862	4842	-485	-434	12342	892	13234	1887	15121	50.01
8	4729	167	522	5418	1005	1846	4887	5059	-499	-445	12883	935	13818	1976	15794	49.88
9	4739	167	519	5425	891	1812	4905	5046	-482	-429	12745	1002	13747	2252	15999	49.75
10	4774	658	512	5944	946	1792	5172	5182	-648	-541	13323	748	14071	2622	16693	49.73
11	4663	1386	513	6562	783	1795	5389	5471	-854	-739	13872	705	14577	2901	17478	49.72
12	4828	1473	512	6813	786	1795	5470	5312	-941	-761	13945	843	14788	2980	17768	49.70
13	4864	1061	513	6438	736	1790	5414	5441	-921	-732	13673	935	14608	2980	17588	49.78
14	4924	1224	509	6657	803	1794	5282	5388	-840	-661	13981	822	14803	2904	17707	49.77
15	4976	1485	514	6975	815	1793	5316	5091	-890	-822	13852	700	14552	2966	17518	49.57
16	4924	1692	514	7130	802	1798	5222	5082	-905	-872	13940	710	14650	2978	17628	49.59
17	4921	1172	517	6610	949	1781	5126	4958	-809	-857	13441	816	14257	2958	17215	49.73
18	5051	333	520	5904	1072	1815	5002	4690	-704	-886	12595	732	13327	2903	16230	49.86
19	5149	181	518	5848	1002	1794	5080	4465	-646	-826	12283	351	12634	2741	15375	49.92
20	5251	231	515	5997	768	1886	5248	5079	-678	-739	13011	626	13637	2729	16366	49.74
21	5307	232	524	6063	709	1853	5189	4819	-616	-618	12849	676	13525	2649	16174	49.72
22	5318	174	522	6014	589	1857	5152	4844	-647	-676	12651	660	13311	2524	15835	49.70
23	5338	702	515	6555	577	1851	5059	5213	-703	-807	13412	262	13674	2492	16166	49.66
24	5301	1029	525	6855	553	1850	5003	5088	-766	-828	13528	213	13741	2496	16237	49.60
MUs	118.26	16.96	12.44	147.66	20.10	43.80	121.96	121.10	-16.27	-15.90	317.00	14.52	331.53	60.11	391.64	49.76

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 28/May/2012

Position as on 6.30 Hrs of 29/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							
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.	
Chandrapur Unit 6	500	20/05/2012	23.09	28/05/2012	06.15	Air Heater problem	
Uran Unit B0	120	22/05/2012	12.29		Continued.	Y Phase Bushing Oil Leakage.	
Koyna ST - IV 4	250	24/05/2012	16.00		Continued.	Replacement of spherical valve servomotor seal.	31/05/2012
Dabhol 3A	230	26/05/2012	11.35		Continued.	Gas shortage.	
Cent_Sect NTPC(K-4)	500	26/05/2012	22.56		Continued.	Economiser tube leakage.	
Khaparkheda Unit 4	210	28/05/2012	02.46	28/05/2012	13.45	Due to low coal flow.	
Khaparkheda Unit 5	500	28/05/2012	05.35	28/05/2012	08.49	Flame failure.	
Koradi Unit 6	210	28/05/2012	05.54		Continued.	Boiler tube leakage.	31/05/2012
Khaparkheda Unit 5	500	28/05/2012	08.53	28/05/2012	10.44	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/May/2012

Position as on 6.30 Hrs of 29/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Wardha - I	26/05/2012	08.07		Continued.	765KV Koradi-Akola stringing work
Akola - Wardha - II	26/05/2012	08.31		Continued.	765KV Koradi-Akola stringing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	22/05/2012	08.59		Continued.	To Control Line Loading.
Dhule-Sar'Sarovar - I	27/05/2012	00.13	28/05/2012	19.21	Over Voltage.
Parli (PG) - Wardha (PG) - II	27/05/2012	08.28		Continued.	To control load on Wardha-Deoli.
Kolhapur - Mapusa - I	27/05/2012	17.29	28/05/2012	09.11	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parly(PG) - Wardha (PG) - I	27/05/2012	08.07		Continued.	To control load on Wardha-Deoli.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	28/05/2012	22.23	29/05/2012	02.26	Premansoon Maint. Work @ Padgha.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
400/220KV 500MVA ICT-III at Bableswhar	26/05/2012	15.55		Continued.	Faulty cable replacement work.
Newkoyna - Jaigad - I	28/05/2012	08.28	28/05/2012	20.45	Replacement of Insulator.
Karad - Newkoyna - I	28/05/2012	13.31	28/05/2012	19.37	Replacement of Flashover Disc Insulator String.
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 strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Vankushwadi - MIDC Satara - I	28/05/2012	09.40	28/05/2012	19.29	Cold Washing of Disc Insulator.
Vankuswade-Malharpeth	28/05/2012	09.43	28/05/2012	19.26	Cold Washing of Disc Insulator.
Apta-Kalwa	28/05/2012	11.41		Continued.	SF-6 Leakage Problem in Breaker (Line Taken on TBC).
220/132 KV 200MVA T/F II at Lonand	28/05/2012	12.56	28/05/2012	16.13	Testing Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	27/05/2012	16.16	28/05/2012	07.58	Over Voltage
Aurangabad-Deepnagar-II	27/05/2012	18.18		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/05/2012	19.28		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Alephata	27/05/2012	13.53		Continued.	To Control Load of Balsr ICT's (ICT-III Under Outage).
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Karad - I	28/05/2012	01.30	28/05/2012	08.13	Distance protection.
Dabhol - New Koyna - I	28/05/2012	04.12	28/05/2012	19.44	Distance protection.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/May/2012

Position as on 6.30 Hrs of 29/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Jejuri-Koyna STG-IV	29/05/2012	00.24	29/05/2012	01.00	Distance Protection.
Lonikand- Koyna Stage IV	29/05/2012	01.03	29/05/2012	01.43	Distance Protection.
Jejuri-Koyna STG-IV	29/05/2012	01.33	29/05/2012	02.23	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Hingoli-Parbhani	28/05/2012	14.15	28/05/2012	22.46	Distance Protection Operated Zone - I.
Lamboti-Bale-I	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
220/132 KV 200 MVA ICT-I @ Bale	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
220/132 KV 200 MVA ICT - III @ Bale	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
220/132 KV 200 MVA ICT - II @ Bale	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Lamboti-Bale-II	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Voltage Level : 132KV			Outage Type TRIPPED		
Jangamwadi - Kandhar	28/05/2012	18.27	28/05/2012	19.30	Distance Protection Operated Zone - I.
Waghala- Jangamwadi	28/05/2012	18.27	28/05/2012	18.39	Distance Protection Operated Zone - I.
Bale - Nuldurg	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Bale-Degaon I	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Bale-Degaon II	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Bale-Akkalkot	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Bale - Umarga	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Bale - Mohal	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.
Bale - Chinchalkati	29/05/2012	05.35		Continued.	132KV Naldurg Bus Side Jumper Open @ 220KV Bale S/S.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	0
Unit 7	210	150
	620	265
Bhusawal		
Unit 2	210	150
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	320
Parli		
Unit 3	210	168
Unit 4	210	145
Unit 5	210	153
Unit 6	250	180
Unit 7	250	180
	1130	826
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	2040
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	200
Unit 5	500	150
	1340	910
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	200
	630	610
Uran		
All Units	852	500
	852	500
PENCH (MS)		
Pench (MS)	53	
	53	
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	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	164
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	412
Other CPPs	0	
	1005	1497
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	5212
	3455	5212

	18400	7 of 7 16141
--	--------------	---------------------