



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/May/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.000	3272.688	1) Gujrat	7.355	125.649
2) Hydro	18.824	445.272	2) Madhya Pradesh	29.484	501.101
3) Gas	12.417	311.315	3) Chattisgarh	13.050	300.980
Total MSGENCO	148.241	4029.275	4) Maharashtra	49.960	1613.747
B) OTHERS			5) Goa	-7.098	-187.780
1) JSW JAIGAD	22.625	733.593	6) TAPS 1&2 Injection	7.746	208.657
2) WPCL	9.207	235.114	7) RGPPL Injection	19.118	578.615
3) Other CPP / IPP	6.470	210.719	8) Pench (Excess)	-0.173	-3.592
4) Wind Generation	19.715	389.990	# Total Cent. Sector	119.442	3137.377
5) PENCH (MS)	0.173	3.592	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.727	-367.549
1) TPCL Thermal	24.521	739.240	G) Bilateral Power *		
2) TPCL Hydro	0.467	105.065	1) MSEDCL Bilateral	35.471	1029.208
TOTAL TPCL	24.988	844.305	Include PX	0.000	-3.548
3) REL Thermal	12.552	324.557	2) MUMBAI Bilateral	11.272	384.738
D) STATE			Include PX	1.185	70.399
1) Thermal (A1+C1+C3)	154.073	4336.485	3) MUMBAI Schedule	11.272	390.437
2) Hydro (A2+B5+C2)	19.464	553.929	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.417	311.315	1) MSEDCL	314.146	8372.111
4) Wind (B4)	19.715	389.990	2) TPCL	32.358	1015.960
5) CPP (B1+B2+B3)	38.302	1179.426	3) REL	16.908	520.400
TOTAL STATE	243.971	6771.145	TOTAL STATE	363.412	9908.471

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	4917	4987	4932
MSGENCO Hydro	1388	1161	561
MSGENCO Gas	509	520	520
MSGENCO Total Generation	6814	6668	6013
Central Sector Receipt	5100	4567	4659
WIND	783	917	981
CPP / IPP	1520	1535	1587
Exchange with Mumbai	-457	-534	-397
MSEDCL DEMAND MET	13760	13153	12843
Load Shedding	892	810	351
MSEDCL DEMAND	14652	13963	13194
TPCL GENERATION	1090	1041	946
R-INFRA GENERATION	520	523	524
TPCL+R-INFRA DEMAND	2067	2098	1867
STATE DEMAND MET	15827	15251	14710
STATE DEMAND	16719	16061	15061
Frequency (Hz)	49.85	49.96	49.60

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.75 Hz at 18.03 Hrs	49.17 Hz at 23.04 Hrs	49.78	.15 % 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 27/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.06	86.95	142	112	120
Unit 6	2.84	81.93	135	105	110
Unit 7	3.74	86.50	170	130	165
Total	9.64	255.38			395
Bhusawal					
Unit 2	3.34	93.71	145	130	150
Unit 3	3.94	106.90	170	155	155
Unit 4	4.24	66.25	273	0	
Unit 5		0.00	0	0	
Total	11.53	266.86			305
Parli					
Unit 3	4.50	114.56	206	155	198
Unit 4	3.40	97.88	163	106	134
Unit 5	4.09	106.89	180	152	170
Unit 6	4.17	115.22	215	0	190
Unit 7	4.63	101.26	210	178	185
Total	20.79	535.81			877
Chandrapur					
Unit 1	3.91	93.26	168	157	165
Unit 2	3.89	99.76	169	158	165
Unit 3	4.22	112.23	188	148	185
Unit 4	4.26	92.50	188	165	165
Unit 5	10.69	290.96	460	430	470
Unit 6	0.00	195.81	0	0	0
Unit 7	10.08	212.84	438	367	425
Total	37.04	1097.37			1575
Paras					
Unit 3	6.05	147.87	260	239	250
Unit 4	0.00	0.59	0	0	0
Total	6.05	148.45			250
Khaparkheda					
Unit 1	3.20	109.48	160	80	160
Unit 2	2.98	112.72	165	32	170
Unit 3	3.74	120.93	184	141	170
Unit 4	3.68	122.83	181	141	170
Unit 5	4.21	137.01	212	153	200
Total	17.80	602.97			870
Nasik					
Unit 3	5.22	132.58	225	215	210
Unit 4	4.37	116.69	203	145	210
Unit 5	4.56	116.57	199	183	190
Total	14.16	365.85			610
Uran					
All Units	12.42	311.32	529	505	500
Total	12.42	311.32			500
PENCH (MS)					
Pench (MS)	0.17	3.59	25	0	
Total	0.17	3.59			
Koyna					
Stage 1-2	5.62	124.30	575	50	600
Stage 4	8.18	150.56	843	0	250
Stage 3	2.61	60.00	240	0	320
Kovna 12&4 Total	13.80	274.86			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.41	334.86			1170
Hydro					
KDPH	0.39	17.29	17	16	16
VTRNA	1.13	27.28	61	0	60
TILLARI	0.00	1.95	0	0	0
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.16	5.24	43	0	40
RNGR+BHTSA	0.25	7.23	11	10	10
BHANDARDRA	0.05	11.78	13	0	10
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.43	14.31	18	17	9
GHATGHAR	0.00	21.29	0	0	0
Total	2.41	110.42			145
Wind					
MalharPeth	0.85	14.94			
Vankuswadi	1.26	21.52			
ATIT	0.18	4.82			
Kale	0.53	8.38			
Satara	2.60	26.86			
Shirala	0.34	8.36			
K Mahankal	0.06	15.87			
Supa	0.28	5.90			
Vita	1.37	30.31			
Dondaicha	8.33	178.21			
Sakri	1.04	21.34			
Nandurbar	0.71	16.92			
Khandke	1.20	19.85			
Khaparale	0.97	16.71			
Total	19.72	389.99			
CPP					
JSW JAIGAD	22.62	733.59	1141	841	1090
WARDHA	9.21	235.11	407	324	400
Other CPPs	6.47	210.72			
Total	38.30	1179.43			1490
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.04	299.78	503	285	500
Trombay 6	4.02	164.36	188	156	500
Trombay 7A	2.93	77.91	124	120	120
Trombay 7B	1.62	43.55	68	67	60
Trombay 8	5.90	153.64	255	194	250
TATA Hydro	0.47	105.06	112	0	447
Total	24.99	844.30			1877
REL					
1&2	12.55	324.56	526	520	500
Total	12.55	324.56			500
Cent Sect					
Share					5242
Total					5242

MS PG CL	Thermal	117.00	3272.69			4882
	Thml+Gas	129.42	3584.00			5382
	Hydro	18.82	445.27			1315
	Total	148.24	4029.28			6697
State Total		243.97	6771.14			15806

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4711	1668	515	6894	730	1565	5118	5037	-641	-554	13672	250	13922	2254	16176	49.50
2	4773	1390	517	6680	893	1583	5025	4903	-561	-545	13514	305	13819	2133	15952	49.51
3	4805	965	518	6288	838	1591	4934	4904	-470	-484	13137	329	13466	2005	15471	49.68
4	4917	733	517	6167	948	1587	4870	4612	-408	-408	12906	339	13245	1907	15152	49.54
5	4932	561	520	6013	981	1587	4864	4659	-397	-397	12843	351	13194	1867	15061	49.60
6	4966	655	522	6143	1011	1590	4835	4611	-368	-403	12952	470	13422	1872	15294	49.68
7	4943	399	523	5865	953	1589	4898	4516	-402	-411	12512	903	13415	1801	15216	49.76
8	4933	324	521	5778	867	1515	4908	4818	-339	-427	12551	908	13459	1781	15240	49.78
9	4866	321	529	5716	895	1533	4919	4868	-353	-458	12554	974	13528	1831	15359	49.73
10	4850	635	520	6005	695	1563	4996	5357	-404	-449	13171	787	13958	1915	15873	49.81
11	4832	1079	505	6416	775	1559	5171	5567	-440	-477	13840	702	14542	2022	16564	49.81
12	4917	1388	509	6814	783	1520	5183	5100	-441	-457	13760	892	14652	2067	16719	49.85
13	4904	1056	510	6470	781	1523	5176	5196	-445	-468	13502	1001	14503	2111	16614	49.92
14	4897	978	510	6385	801	1522	5179	5268	-448	-451	13525	877	14402	2074	16476	49.85
15	4907	1298	508	6713	802	1485	5053	5245	-447	-470	13775	728	14503	2091	16594	49.84
16	4893	1520	515	6928	814	1502	4940	4737	-443	-459	13522	683	14205	2113	16318	49.87
17	4987	1161	520	6668	917	1535	4940	4567	-440	-534	13153	810	13963	2098	16061	49.96
18	4950	301	523	5774	824	1542	4896	4733	-416	-608	12288	817	13105	2057	15162	50.14
19	4879	155	522	5556	841	1649	4963	4485	-424	-512	12044	472	12516	1994	14510	50.18
20	4813	272	518	5603	813	1716	5098	5098	-457	-445	12810	662	13472	2159	15631	49.79
21	4822	235	517	5574	763	1730	5169	5114	-535	-512	12694	687	13381	2271	15652	49.79
22	4811	168	518	5497	700	1755	5225	5253	-585	-540	12690	674	13364	2280	15644	49.86
23	4840	480	519	5839	662	1768	5182	5517	-667	-621	13190	303	13493	2281	15774	49.65
24	4852	1082	521	6455	634	1793	5128	5277	-742	-637	13547	243	13790	2283	16073	49.54
MUs	117.00	18.82	12.42	148.24	19.72	38.30	120.67	119.44	-11.27	-11.73	314.15	15.17	329.32	49.27	378.59	49.78

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 27/May/2012

Position as on 6.30 Hrs of 28/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.	
Bhusawal Unit 4	500	26/05/2012	19.00	27/05/2012	01.49	Drum level high.	
Parli Unit 6	250	26/05/2012	20.53	27/05/2012	01.28	Boiler problem,furnace pressure high.	
Cent_Sect NTPC(K-4)	500	26/05/2012	22.56		Continued.	Economiser tube leakage.	
CPP WPCL U-3	135	27/05/2012	07.00	27/05/2012	08.08	High furnace pressure.	
Khaparkheda Unit 4	210	28/05/2012	02.46		Continued.	Due to low coal flow.	
Khaparkheda Unit 5	500	28/05/2012	05.35		Continued.	Flame failure.	
Koradi Unit 6	210	28/05/2012	05.54		Continued.	Boiler tube leakage.	31/05/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/May/2012

Position as on 6.30 Hrs of 28/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Kolhapur - Mapusa - I	26/05/2012	18.05	27/05/2012	09.31	Over Voltage.
Dhule-Sar'Sarovar - I	27/05/2012	00.13		Continued.	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		Continued.	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 : 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 Bableshwar	26/05/2012	15.55		Continued.	Faulty cable replacement work.
Newkoyna - Jaigad - I	27/05/2012	08.05	27/05/2012	20.34	Replacement of porcellain insulator with polymer.
Deepnagar-Aurangabad-I	27/05/2012	10.52	27/05/2012	15.35	Attending sparking problem.
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
Kharghar-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.
Bus Coupler at Varsova	27/05/2012	08.09	27/05/2012	19.56	Maintenance work.
Dahanu-Bhoisor	27/05/2012	09.48	27/05/2012	18.12	Breaker pole overhauling work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	25/05/2012	18.05	27/05/2012	10.47	Over Voltage.
Bhusawal- Aurangabad	27/05/2012	16.16		Continued.	Over Voltage
Aurangabad-Deepnagar-II	27/05/2012	18.18		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Alephata	26/05/2012	13.53		Continued.	To control load at BBLSR.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Karad - I	28/05/2012	01.30		Continued.	Distance protection.
Dabhol - New Koyna - I	28/05/2012	04.12		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	0
Unit 7	210	155
	620	290
Bhusawal		
Unit 2	210	150
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	320
Parli		
Unit 3	210	195
Unit 4	210	167
Unit 5	210	184
Unit 6	250	130
Unit 7	250	215
	1130	891
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	450
Unit 6	500	200
Unit 7	500	425
	2340	1790
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	140
Unit 2	210	100
Unit 3	210	140
Unit 4	210	0
Unit 5	500	0
	1340	380
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	195
	630	615
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	18
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	13
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	149
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	1090
WARDHA	405	410
Other CPPs	0	
	1005	1500
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	5224
	3455	5224

	18400	15456
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