



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/May/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.652	3645.037	1) Gujrat	6.321	149.563
2) Hydro	15.817	496.580	2) Madhya Pradesh	18.262	570.785
3) Gas	9.790	344.306	3) Chattisgarh	10.610	337.960
Total MSGENCO	152.259	4485.923	4) Maharashtra	56.551	1774.982
B) OTHERS			5) Goa	-7.527	-209.776
1) JSW JAIGAD	26.738	812.188	6) TAPS 1&2 Injection	6.601	228.923
2) WPCL	9.811	263.939	7) RGPPL Injection	24.424	643.668
3) Other CPP / IPP	7.085	230.423	8) Pench (Excess)	-0.125	-4.101
4) Wind Generation	22.460	448.627	# Total Cent. Sector	115.117	3492.004
5) PENCH (MS)	0.125	4.101	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.623	-414.408
1) TPCL Thermal	28.133	822.054	G) Bilateral Power *		
2) TPCL Hydro	4.740	119.777	1) MSEDCL Bilateral	37.965	1142.130
TOTAL TPCL	32.873	941.831	Include PX	0.000	-3.548
3) REL Thermal	12.531	362.146	2) MUMBAI Bilateral	16.870	434.692
D) STATE			Include PX	2.961	78.887
1) Thermal (A1+C1+C3)	167.316	4829.237	3) MUMBAI Schedule	16.870	440.391
2) Hydro (A2+B5+C2)	20.682	620.458	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.790	344.306	1) MSEDCL	317.972	9322.797
4) Wind (B4)	22.460	448.627	2) TPCL	40.415	1137.213
5) CPP (B1+B2+B3)	43.634	1306.550	3) REL	20.622	581.137
TOTAL STATE	263.882	7549.178	TOTAL STATE	379.009	11041.147

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	5187	5385	5262
MSGENCO Hydro	950	712	406
MSGENCO Gas	402	406	410
MSGENCO Total Generation	6539	6503	6078
Central Sector Receipt	5157	4970	4405
WIND	1031	1201	871
CPP / IPP	1902	1896	1593
Exchange with Mumbai	-788	-817	-407
MSEDCL DEMAND MET	13841	13753	12540
Load Shedding	1002	787	330
MSEDCL DEMAND	14843	14540	12870
TPCL GENERATION	1699	1657	943
R-INFRA GENERATION	524	517	520
TPCL+R-INFRA DEMAND	3011	2991	1870
STATE DEMAND MET	16852	16744	14410
STATE DEMAND	17854	17531	14740
Frequency (Hz)	49.55	49.79	49.62

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 18.03 Hrs	48.99 Hz at 22.52 Hrs	49.72	1.63 % 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 30/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.97	95.56	138	100	125
Unit 6	3.18	85.78	155	39	125
Unit 7	3.93	97.45	180	140	165
Total	10.08	278.79			415
Bhusawal					
Unit 2	3.38	103.88	155	135	150
Unit 3	3.98	118.88	175	160	170
Unit 4	5.61	82.05	342	101	
Unit 5	0.00	0.00	0	0	
Total	12.96	304.80			320
Parli					
Unit 3	4.32	127.86	200	158	160
Unit 4	2.94	108.28	158	100	150
Unit 5	3.96	118.90	178	152	170
Unit 6	4.79	128.04	223	164	200
Unit 7	4.46	115.16	216	99	190
Total	20.47	598.24			870
Chandrapur					
Unit 1	3.53	104.44	168	111	165
Unit 2	3.26	110.70	161	111	140
Unit 3	4.31	124.94	190	156	185
Unit 4	4.57	105.96	199	170	190
Unit 5	10.80	323.42	465	435	450
Unit 6	11.19	221.63	480	450	460
Unit 7	9.26	242.28	440	342	415
Total	46.91	1233.37			2005
Paras					
Unit 3	6.08	165.72	258	244	250
Unit 4	0.00	0.59	0	0	0
Total	6.08	166.31			250
Khaparkheda					
Unit 1	4.51	122.40	205	175	180
Unit 2	2.92	121.61	172	85	180
Unit 3	4.47	134.88	204	160	200
Unit 4	3.55	133.20	198	96	200
Unit 5	0.00	141.73	0	0	0
Total	15.45	653.81			760
Nasik					
Unit 3	5.24	148.24	225	210	210
Unit 4	4.78	130.97	207	188	210
Unit 5	4.69	130.49	204	186	195
Total	14.70	409.70			615
Uran					
All Units	9.79	344.31	417	402	400
Total	9.79	344.31			400
PENCH (MS)					
Pench (MS)	0.12	4.10	25	0	
Total	0.12	4.10			
Koyna					
Stage 1-2	4.68	139.85	560	40	600
Stage 4	6.17	170.15	727	0	250
Stage 3	2.91	68.14	318	0	320
Kovna 12&4 Total	10.84	310.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.75	378.14			1170
Hydro					
KDPH	0.66	19.19	28	27	30
VTRNA	0.00	28.77	0	0	60
TILLARI	0.00	1.95	0	0	0
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.23	5.83	69	0	80
RNGR+BHTSA	0.26	8.00	12	10	13
BHANDARDRA	0.24	12.44	10	10	10
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.35	15.69	22	12	10
GHATGHAR	0.33	22.52	125	0	0
Total	2.07	118.44			203
Wind					
MalharPeth	0.80	17.00			
Vankuswadi	0.44	23.29			
ATIT	0.80	6.29			
Kale	0.68	10.10			
Satara	1.00	30.91			
Shirala	0.65	9.77			
K Mahankal	0.69	16.91			
Supa	0.31	6.54			
Vita	2.01	34.92			
Dondaicha	10.54	206.04			
Sakri	1.28	24.79			
Nandurbar	1.04	19.77			
Khandke	1.34	22.95			
Khaparale	0.88	19.34			
Total	22.46	448.63			
CPP					
JSW JAIGAD	26.74	812.19	1207	900	1080
WARDHA	9.81	263.94	424	388	422
Other CPPs	7.08	230.42			
Total	43.63	1306.55			1502
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.16	333.15	504	344	500
Trombay 6	6.46	182.11	367	157	500
Trombay 7A	2.90	86.67	124	115	120
Trombay 7B	1.61	48.40	68	65	60
Trombay 8	6.00	171.72	254	229	250
TATA Hydro	4.74	119.78	416	0	447
Total	32.87	941.83			1877
REL					
1&2	12.53	362.15	525	517	500
Total	12.53	362.15			500
Cent Sect					
Share					5071
Total					5071

MS PG CL	Thermal	126.65	3645.04			5235
	Thml+Gas	136.44	3989.34			5635
	Hydro	15.82	496.58			1373
	Total	152.26	4485.92			7008
State Total		263.88	7549.18			15958

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5193	1452	406	7051	785	1602	5052	4728	-763	-679	13487	245	13732	2350	16082	49.55
2	5214	1287	407	6908	798	1593	4924	4407	-633	-554	13152	285	13437	2157	15594	49.63
3	5243	1024	409	6676	769	1602	4836	4348	-545	-503	12892	304	13196	2020	15216	49.66
4	5178	839	410	6427	850	1610	4772	4278	-487	-432	12733	319	13052	1920	14972	49.68
5	5262	406	410	6078	871	1593	4762	4405	-482	-407	12540	330	12870	1870	14740	49.62
6	5278	504	414	6196	901	1642	4696	4521	-443	-418	12842	466	13308	1904	15212	49.71
7	5299	439	417	6155	1021	1720	4763	4366	-487	-413	12849	933	13782	1898	15680	49.89
8	5409	300	415	6124	1017	1788	4757	4392	-497	-484	12837	973	13810	2013	15823	50.02
9	5322	258	407	5987	943	1878	4768	4467	-507	-538	12737	1038	13775	2290	16065	49.88
10	5302	559	403	6264	923	1910	5070	5048	-666	-671	13474	882	14356	2684	17040	49.84
11	5313	859	405	6577	969	1909	5261	5227	-848	-735	13947	834	14781	2946	17727	49.66
12	5187	950	402	6539	1031	1902	5363	5157	-960	-788	13841	1002	14843	3011	17854	49.55
13	5175	830	407	6412	984	1898	5289	5304	-925	-773	13825	1066	14891	3018	17909	49.79
14	5109	620	408	6137	996	1903	5280	5375	-885	-809	13602	956	14558	2982	17540	49.72
15	5181	951	409	6541	1118	1902	5295	5124	-868	-804	13881	850	14731	3007	17738	49.68
16	5268	1109	410	6787	1061	1903	5284	5188	-941	-824	14115	805	14920	3007	17927	49.76
17	5385	712	406	6503	1201	1896	5259	4970	-920	-817	13753	787	14540	2991	17531	49.79
18	5509	362	402	6273	1054	1900	5126	4370	-783	-732	12865	571	13436	2922	16358	49.97
19	5521	314	407	6242	1019	1908	5178	4296	-667	-738	12727	484	13211	2760	15971	50.05
20	5364	203	410	5977	779	1906	5363	4938	-700	-707	12918	678	13596	2810	16406	49.69
21	5283	246	410	5939	844	1910	5308	4990	-647	-640	13068	682	13750	2739	16489	49.77
22	5195	114	409	5718	794	1911	5314	5072	-675	-714	12806	675	13481	2650	16131	49.64
23	5250	498	405	6153	838	1926	5234	5163	-745	-713	13392	318	13710	2568	16278	49.30
24	5212	981	402	6595	894	1922	5176	4983	-799	-730	13689	254	13943	2510	16453	49.51
MUs	126.65	15.82	9.79	152.26	22.46	43.63	122.13	115.12	-16.87	-15.62	317.97	15.74	333.71	61.03	394.74	49.72

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 30/May/2012

Position as on 6.30 Hrs of 31/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.	
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
Cent_Sect NTPC(K-4)	500	26/05/2012	22.56	30/05/2012	18.46	Economiser tube leakage.	
Koradi Unit 6	210	28/05/2012	05.54	30/05/2012	00:17	Boiler tube leakage.	31/05/2012
CPP JSW (J) U3	300	29/05/2012	07.20	30/05/2012	5:35	Condenser Vacuum Cleaning Work.	
Khaparkheda Unit 5	500	29/05/2012	07.31		Continued.	Flame Failure.	31/05/2012
Uran Unit 7	108	29/05/2012	09.00		Continued.	Gas Shortage.	
Cent_Sect Sipat U-1	660	29/05/2012	14.14		Continued.	Clinker Problem.	
CPP JSW (J) U2	300	31/05/2012	05.20		Continued.	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/May/2012

Position as on 6.30 Hrs of 31/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		
Koradi-Bhilai	30/05/2012	13.25	30/05/2012	19.25	PLCC Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	22/05/2012	08.59	30/05/2012	17.15	Converted to 765 KV.
Dhule - S'Sarovar- II	29/05/2012	23.18	30/05/2012	10.03	Over Voltage.
765KV Seoni - Wardha - II	30/05/2012	17.48		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Boiser - Tarapur	30/05/2012	16.53	30/05/2012	17.10	Distance Protection.
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	30/05/2012	23.18	ICT Taken on Humming from L V Side @ 12.56 Hrs..
Padgha - Nagothane - I	29/05/2012	15.55		Continued.	Main Breaker Overhauling Work upto 7/06/12.(Taken on TBC)
Dabhol - New Koyna - I	30/05/2012	08.16	30/05/2012	18.29	Decapping of Insulator.
Karad-Jaigad I	30/05/2012	08.22	30/05/2012	19.40	Insulator Washing.
Bus Coupler @ Bhusawal	30/05/2012	10.25	30/05/2012	18.17	Measurment of Tan Delta of C T.
400/220 KV 315 MVA ICT-I @ Nagothane	30/05/2012	10.51		Continued.	Diff. Relay Retrofitting.
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.
Apta-Kalwa	28/05/2012	11.41		Continued.	SF-6 Leakage Problem in Breaker (Line Taken on TBC).
Bale-Usmanabad	30/05/2012	05.27		Continued.	Erection of Towers.
Bhigwan-Kurkum	30/05/2012	08.10		Continued.	Taken on TBC @ Bhigwan.
Bhenda-Waluj	30/05/2012	08.13	30/05/2012	12.59	Decapping of Insulator.
Khaparkheda-Ambazari - I	30/05/2012	08.46	30/05/2012	11.32	Erection of Aux.Isolator.
Aurangabad - Padegaon - I.	30/05/2012	10.15	30/05/2012	16.01	Measurment of Contact Ressistance.(Ckt is on TBC).
Hingoli-Pusad	30/05/2012	19.25	30/05/2012	21.11	B Ph. C T Clamp Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	27/05/2012	18.18	30/05/2012	09.56	Over Voltage.
Bhusawal- Aurangabad	29/05/2012	17.13	30/05/2012	09.50	Over Voltage.
Bhusawal- Aurangabad	30/05/2012	17.37		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	30/05/2012	19.03		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).
Phursungi - Theur	30/05/2012	14.52		Continued.	To Control Lonikand ICT Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/May/2012

Position as on 6.30 Hrs of 31/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE - II	30/05/2012	09.40	31/05/2012	02.57	Differential Protection B Ph. Padgha End
Voltage Level : 400KV			Outage Type TRIPPED		
Koyna IV - Jejuri	30/05/2012	00.30	30/05/2012	14.32	Distance Protection,Declared Faulty.
Lonikand- Koyna Stage IV	30/05/2012	00.31	30/05/2012	09.48	Distance Protection.
Nagothane-Dabhol-I	30/05/2012	04.11	30/05/2012	04.40	Distance Protection.
Lonikand-Karad	30/05/2012	18.32	30/05/2012	19.02	Heavy Sparking Karad End.
New Koyna - Jaigad - II	31/05/2012	02.27		Continued.	Distance Protection,Declared Faulty.
Karad-Jaigad I	31/05/2012	02.45		Continued.	Distance Protection,Declared Faulty.
Voltage Level : 220KV			Outage Type TRIPPED		
Pophali - KDPH	30/05/2012	00.32	30/05/2012	01.05	Distance Protection.
Vankuswadi-KDPH	30/05/2012	01.18	30/05/2012	15.30	Distance Protection.
M'Peth -Vankuswade	30/05/2012	01.28	30/05/2012	15.27	Distance Protection,Declared Faulty.
Pawas-Kharepatan	30/05/2012	06.02	30/05/2012	06.25	Distance Protection,Y Ph E/F.
Pawas-Kharepatan	31/05/2012	04.05	31/05/2012	04.18	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	125
Unit 7	210	160
	620	405
Bhusawal		
Unit 2	210	150
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	320
Parli		
Unit 3	210	190
Unit 4	210	145
Unit 5	210	179
Unit 6	250	180
Unit 7	250	170
	1130	864
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	440
Unit 6	500	470
Unit 7	500	400
	2340	2025
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	0
	1340	760
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	400
	852	400
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	28
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	69
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	128
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	423
Other CPPs	0	
	1005	1513
Tata		
Trombay 4	150	
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	5090
	3455	5090

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