



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/May/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.518	1840.731	1) Gujrat	7.770	42.854
2) Hydro	32.535	221.334	2) Madhya Pradesh	23.526	271.045
3) Gas	11.039	167.058	3) Chattisgarh	11.520	165.640
Total MSGENCO	152.092	2229.123	4) Maharashtra	53.547	891.787
B) OTHERS			5) Goa	-7.822	-100.773
1) JSW JAIGAD	26.818	400.372	6) TAPS 1&2 Injection	7.747	116.095
2) WPCL	8.234	127.730	7) RGPPL Injection	22.392	312.139
3) Other CPP / IPP	8.096	136.657	8) Pench (Excess)	-0.130	-2.220
4) Wind Generation	9.768	184.593	# Total Cent. Sector	118.550	1696.567
5) PENCH (MS)	0.130	2.220	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.183	-200.087
1) TPCL Thermal	28.313	403.038	G) Bilateral Power *		
2) TPCL Hydro	5.091	58.087	1) MSEDCL Bilateral	38.608	571.503
TOTAL TPCL	33.404	461.125	Include PX	-0.303	-3.548
3) REL Thermal	12.509	188.402	2) MUMBAI Bilateral	14.417	206.544
D) STATE			Include PX	2.752	37.050
1) Thermal (A1+C1+C3)	149.340	2432.171	3) MUMBAI Schedule	14.417	206.544
2) Hydro (A2+B5+C2)	37.756	281.641	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.039	167.058	1) MSEDCL	309.505	4577.175
4) Wind (B4)	9.768	184.593	2) TPCL	39.896	561.986
5) CPP (B1+B2+B3)	43.148	664.759	3) REL	20.200	287.590
TOTAL STATE	251.051	3730.222	TOTAL STATE	369.601	5426.751

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	4667	4478	4451
MSGENCO Hydro	2056	1879	1008
MSGENCO Gas	456	455	460
MSGENCO Total Generation	7179	6812	5919
Central Sector Receipt	5013	5174	4600
WIND	273	310	518
CPP / IPP	1843	1847	1650
Exchange with Mumbai	-754	-728	-376
MSEDCL DEMAND MET	13554	13415	12311
Load Shedding	783	447	271
MSEDCL DEMAND	14337	13862	12582
TPCL GENERATION	1723	1743	985
R-INFRA GENERATION	523	518	523
TPCL+R-INFRA DEMAND	3000	2989	1884
STATE DEMAND MET	16554	16404	14195
STATE DEMAND	17337	16851	14466
Frequency (Hz)	49.64	49.65	49.61

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 06.03 Hrs	49.05 Hz at 22.06 Hrs	49.66	1.55 % 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 15/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.25	47.79	150	105	140
Unit 6	3.27	43.74	165	125	130
Unit 7	3.91	52.02	190	140	155
Total	10.42	143.55			425
Bhusawal					
Unit 2	3.92	54.50	175	155	170
Unit 3	4.25	57.51	185	170	170
Unit 4	2.33	39.97	142	0	
Unit 5	0.00	0.00	0	0	
Total	10.50	151.98			340
Parli					
Unit 3	4.56	67.82	206	172	190
Unit 4	2.26	54.33	120	77	85
Unit 5	3.94	60.26	178	129	172
Unit 6	0.70	55.32	165	0	0
Unit 7	0.00	43.13	0	0	0
Total	11.45	280.87			447
Chandrapur					
Unit 1	3.76	46.69	165	148	160
Unit 2	3.60	54.90	163	127	160
Unit 3	3.62	64.51	182	123	160
Unit 4	3.45	61.31	153	128	150
Unit 5	11.08	164.60	470	455	460
Unit 6	7.71	146.85	381	300	325
Unit 7	0.00	114.42	0	0	0
Total	33.22	653.28			1415
Paras					
Unit 3	5.85	76.74	254	230	250
Unit 4	0.00	0.59	0	0	0
Total	5.85	77.32			250
Khaparkheda					
Unit 1	4.28	60.14	205	160	180
Unit 2	4.10	63.63	190	140	180
Unit 3	4.56	66.77	208	183	180
Unit 4	4.62	66.98	212	185	180
Unit 5	5.47	74.27	397	155	250
Total	23.04	331.79			970
Nasik					
Unit 3	5.18	70.32	223	210	210
Unit 4	4.49	67.48	199	178	192
Unit 5	4.37	64.14	188	166	184
Total	14.03	201.94			586
Uran					
All Units	11.04	167.06	468	447	460
Total	11.04	167.06			460
PENCH (MS)					
Pench (MS)	0.13	2.22	24	0	
Total	0.13	2.22			
Koyna					
Stage 1-2	7.18	59.32	565	40	580
Stage 4	16.97	65.46	1120	200	250
Stage 3	5.57	27.60	320	80	320
Kovna 12&4 Total	24.15	124.78			830

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	29.72	152.37			1150
Hydro					
KDPH	0.39	10.49	18	0	35
VTRNA	1.15	14.09	61	0	60
TILLARI	0.00	0.96	0	0	60
BHTGR/VEER	0.00	2.31	0	0	0
BHIRA T.R.	0.23	2.81	75	0	63
RNGR+BHTSA	0.27	4.15	12	11	12
BHANDARDRA	0.50	8.44	21	21	20
ELDARY	0.00	1.74	0	0	0
SMLHY PTN	0.28	8.35	19	8	10
GHATGHAR	0.00	15.62	0	0	
Total	2.82	68.96			260
Wind					
MalharPeth	0.41	6.66			
Vankuswadi	0.40	10.33			
ATIT	0.24	1.85			
Kale	0.11	4.06			
Satara	0.50	12.18			
Shirala	0.24	3.43			
K Mahankal	0.44	7.18			
Supa	0.27	2.50			
Vita	0.73	14.41			
Dondaicha	4.34	88.18			
Sakri	0.48	9.74			
Nandurbar	0.42	8.22			
Khandke	0.85	8.03			
Khaparale	0.34	7.82			
Total	9.77	184.59			
CPP					
JSW JAIGAD	26.82	400.37	1128	1109	1007
WARDHA	8.23	127.73	423	101	410
Other CPPs	8.10	136.66			
Total	43.15	664.76			1417
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.19	162.88	504	331	500
Trombay 6	7.14	84.90	434	157	500
Trombay 7A	2.92	42.76	125	119	120
Trombay 7B	1.63	24.07	69	67	60
Trombay 8	5.44	88.43	231	223	250
TATA Hydro	5.09	58.09	442	0	447
Total	33.40	461.12			1877
REL					
1&2	12.51	188.40	524	518	500
Total	12.51	188.40			500
Cent Sect					
Share					5173
Total					5173

MS PG CL	Thermal	108.52	1840.73			4433
	Thml+Gas	119.56	2007.79			4893
	Hydro	32.54	221.33			1410
	Total	152.09	2229.12			6303
State Total		251.05	3730.22			15270

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4331	1741	460	6532	438	1554	5309	5035	-616	-628	12954	184	13138	2323	15461	49.82
2	4370	1520	460	6350	499	1559	5155	5022	-462	-540	12913	244	13157	2146	15303	49.61
3	4428	1290	461	6179	410	1606	5053	4609	-389	-418	12388	265	12653	1965	14618	49.46
4	4451	1008	460	5919	518	1650	4959	4600	-333	-376	12311	271	12582	1884	14466	49.61
5	4516	959	457	5932	542	1716	4903	4586	-336	-356	12420	278	12698	1832	14530	49.60
6	4573	1195	462	6230	525	1777	4874	4613	-377	-429	12716	410	13126	1866	14992	49.68
7	4582	942	468	5992	527	1812	4925	4593	-378	-434	12490	701	13191	1866	15057	49.86
8	4573	597	462	5632	490	1822	4903	4992	-399	-432	12504	678	13182	1981	15163	49.79
9	4534	994	462	5990	493	1855	4791	4981	-449	-429	12890	672	13562	2260	15822	49.69
10	4592	1637	462	6691	436	1869	4891	4957	-607	-559	13394	484	13878	2646	16524	49.69
11	4696	1944	466	7106	438	1843	5043	5099	-744	-693	13793	514	14307	2926	17233	49.64
12	4667	2056	456	7179	273	1843	5131	5013	-852	-754	13554	783	14337	3000	17337	49.64
13	4553	2004	447	7004	236	1841	5151	4908	-855	-752	13237	899	14136	2972	17108	49.64
14	4480	1956	449	6885	251	1845	5151	5091	-786	-735	13337	771	14108	2941	17049	49.53
15	4473	2020	448	6941	178	1842	5297	5135	-725	-694	13402	614	14016	2977	16993	49.53
16	4410	2143	453	7006	314	1843	5357	5458	-786	-723	13898	462	14360	2976	17336	49.66
17	4478	1879	455	6812	310	1847	5295	5174	-744	-728	13415	447	13862	2989	16851	49.65
18	4400	1261	461	6122	337	1837	5101	4885	-695	-787	12394	405	12799	2925	15724	49.80
19	4416	759	460	5635	482	1847	4993	4689	-607	-841	11812	380	12192	2755	14947	49.80
20	4549	640	466	5655	483	1864	5377	5247	-669	-712	12552	638	13190	2777	15967	49.58
21	4556	574	466	5596	473	1860	5308	5251	-592	-535	12668	663	13331	2678	16009	49.79
22	4578	433	466	5477	452	1865	5363	5029	-621	-507	12340	644	12984	2513	15497	49.71
23	4643	1355	466	6464	317	1861	5275	5237	-673	-545	13354	277	13631	2468	16099	49.56
24	4669	1628	466	6763	346	1890	5276	5002	-719	-576	13425	211	13636	2430	16066	49.58
MUs	108.52	32.54	11.04	152.09	9.77	43.15	122.88	119.21	-14.42	-14.18	310.16	11.90	322.06	60.10	382.15	49.66

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 15/May/2012

Position as on 6.30 Hrs of 16/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
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 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Dabhol 3B	230	04/05/2012	11.18	15/05/2012	10.50	Gas shortage.	
Chandrapur Unit 7	500	12/05/2012	13.50		Continued.	Boiler Tube Leakage	
Parli Unit 7	250	13/05/2012	02.27	16/05/2012	04.20	CHP Problem	
CPP WPCL U-1	135	13/05/2012	08.58	15/05/2012	05.49	Bus sectionaliser R phase C.T.Burst at Warora S/Stn.	
CPP WPCL U-4	135	13/05/2012	08.58	15/05/2012	01.39	Bus sectionaliser R phase C.T.Burst at Warora S/Stn.	
CPP WPCL U-2	135	13/05/2012	08.58	15/05/2012	03.19	Bus sectionaliser R phase C.T.Burst at Warora S/Stn.	
Parli Unit 6	250	14/05/2012	15.44	15/05/2012	18.36	Bunker Level Empty	
Bhusawal Unit 4	500	14/05/2012	21.40	15/05/2012	01.37	Class A Generator Protection	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2012

Position as on 6.30 Hrs of 16/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
765KV Seoni - Wardha - II	14/05/2012	10.12		Continued.	Line Crimping work
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
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	09/05/2012	22.20		Continued.	Over Voltage.
Kolhapur - Mapusa - II	14/05/2012	21.43		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni - Amona	16/05/2012	00.30		Continued.	Distance Protection,Decleared Faulty.
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
Bus Coupler @ New Koyna	15/05/2012	09.23		Continued.	C B Overhauling.
Dhule - Babhaleshwar - I	15/05/2012	14.48	15/05/2012	18.44	Replacement of 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
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Kalwa - Khargar	21/02/2012	12:24	15/05/2012	15:39	Mumbai Stregthening 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.
Main Bus- II @ Kharghar	12/05/2012	09.58		Continued.	Isolator alignment work
Main Bus- I @ New Paras TPS	14/05/2012	16.36		Continued.	Jack Bus Stringing work for New 220KV Balapur Ckt.I&II
Pedambe - Mahad	14/05/2012	20.13		Continued.	Bus Isolator problem(Taken on TBC)
Kalwa - Salshet - IV	15/05/2012	00.45	15/05/2012	03.57	Connecting CT to 29D Isolator Jumper
Dondaicha - Shahada	15/05/2012	08.40	15/05/2012	21.20	Conversion of SSN to DSN.(Ckt is on TBC)
Apta - Tambati	15/05/2012	09.05	15/05/2012	19.38	Bay Maint. & Testing Work.
220/110KV,200MVA T/F-III at Miraj	15/05/2012	09.45	15/05/2012	13.10	Q.M.Work.
Mahad-Pasco	15/05/2012	09.47	15/05/2012	17.30	Replacement of Insulator String.
Mudshingi - Peth	15/05/2012	10.02	15/05/2012	17.04	R.M.Work.
Vankushwadi - MIDC Satara - I	15/05/2012	10.45	15/05/2012	15.28	Replacement of Disc Insulator @ Loc.93.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/May/2012

Position as on 6.30 Hrs of 16/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad-Chitegaon-II	15/05/2012	11.06		Continued.	Breaker Overhaul.
220/132 KV 100 MVA ICT - I @ Paranda	15/05/2012	14.20	15/05/2012	15.30	Work on N2 Fire Extnng.System.
220/132KV 100MVA ICT II at Paranda	15/05/2012	15.34	15/05/2012	16.47	Work on N2 Fire Extnng.System.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	14/05/2012	19.41	15/05/2012	08.49	Over Voltage
Bhusawal- Aurangabad	15/05/2012	18.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Malinagar-Temburni	08/05/2012	11.21		Continued.	To Control Loading of 220 KV Padharpur- Lamboti Line.
Padgha - Temghar - II	14/05/2012	14.50		Continued.	To control Padgha ICT Loading
Padgha-Temghar I	15/05/2012	10.38		Continued.	To Control Padgha ICT Loading.
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
Chandrapur - Parli - III	15/05/2012	16.49	15/05/2012	18.47	Over Voltage.
Jejuri-Koyna STG-IV	16/05/2012	03.29		Continued.	Distance Protection,Decleared Faulty.
Voltage Level : 220KV			Outage Type TRIPPED		
Karad-Pedambe	15/05/2012	05.27	15/05/2012	14.10	Distance Protection.
M'Peth -Vankuswade	15/05/2012	20.49	15/05/2012	21.45	Distance Protection.
KDPH-Wankuswadi	15/05/2012	20.50		Continued.	Distance Protection.
Pophali - KDPH	15/05/2012	20.50	15/05/2012	21.35	Distance Protection.
Vankushwadi - MIDC Satara - I	15/05/2012	20.50	15/05/2012	22.00	Distance Protection.
Vankuswadi - MIDC Satara- II	15/05/2012	20.50		Continued.	Distance Protection.
Pophali - KDPH	16/05/2012	00.53		Continued.	Distance Protection,Decleared Faulty.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Pal	11/05/2012	05.40		Continued.	100 KV Kalwa Creek bus outage,Tower at Loc.No.9 collapsed at 19.42 Hrs.
Pal-Taloja	11/05/2012	19.42		Continued.	Distance Protection,Tower at Loc.9 collapsed at 19.42 Hrs.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	145
Unit 7	210	185
	620	455
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	200
Unit 4	210	164
Unit 5	210	165
Unit 6	250	161
Unit 7	250	34
	1130	724
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	160
Unit 4	210	150
Unit 5	500	475
Unit 6	500	430
Unit 7	500	0
	2340	1540
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	200
	1340	920
Nasik		
Unit 3	210	210
Unit 4	210	180
Unit 5	210	190
	630	580
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	580
Stage 4	1000	250
Stage 3	320	320
	1920	1150
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	80
RNGR+BHTSA	20	12
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	200
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	391
Other CPPs	0	
	1005	1481
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	5400
	3455	5400

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