



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jun/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.059	1750.883	1) Gujrat	6.353	109.986
2) Hydro	10.275	253.546	2) Madhya Pradesh	14.125	291.821
3) Gas	14.450	203.685	3) Chattisgarh	9.720	156.240
Total MSGENCO	124.784	2208.114	4) Maharashtra	38.980	787.955
B) OTHERS			5) Goa	-5.621	-101.289
1) JSW JAIGAD	29.021	457.571	6) TAPS 1&2 Injection	7.554	121.762
2) WPCL	10.456	162.156	7) RGPPL Injection	22.260	338.915
3) Other CPP / IPP	9.828	123.192	8) Pench (Excess)	-0.222	-2.484
4) Wind Generation	24.494	278.344	# Total Cent. Sector	93.149	1702.906
5) PENCH (MS)	0.222	2.484	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.844	-207.356
1) TPCL Thermal	28.705	447.951	G) Bilateral Power *		
2) TPCL Hydro	5.742	88.618	1) MSEDCL Bilateral	27.590	481.549
TOTAL TPCL	34.447	536.569	Include PX	1.573	4.822
3) REL Thermal	12.531	200.755	2) MUMBAI Bilateral	14.578	252.957
D) STATE			Include PX	1.454	22.905
1) Thermal (A1+C1+C3)	141.295	2399.589	3) MUMBAI Schedule	14.578	252.957
2) Hydro (A2+B5+C2)	16.239	344.648	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.450	203.685	1) MSEDCL	281.110	4727.411
4) Wind (B4)	24.494	278.344	2) TPCL	38.335	625.407
5) CPP (B1+B2+B3)	49.305	742.919	3) REL	19.484	319.266
TOTAL STATE	245.783	3969.185	TOTAL STATE	338.929	5672.084

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	4003	4058	4347
MSGENCO Hydro	1112	244	371
MSGENCO Gas	588	577	637
MSGENCO Total Generation	5703	4879	5355
Central Sector Receipt	4040	3979	3208
WIND	1105	1469	795
CPP / IPP	2124	2049	2055
Exchange with Mumbai	-507	-522	-304
MSEDCL DEMAND MET	12465	11854	11117
Load Shedding	742	741	314
MSEDCL DEMAND	13207	12595	11431
TPCL GENERATION	1805	1693	1118
R-INFRA GENERATION	524	521	524
TPCL+R-INFRA DEMAND	2836	2736	1946
STATE DEMAND MET	15301	14590	13063
STATE DEMAND	16043	15331	13377
Frequency (Hz)	49.70	49.83	49.74

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 17.35 Hrs	49.16 Hz at 00.18 Hrs	49.75	.14 % 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 16/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.87	44.04	133	109	130
Unit 6	2.99	50.43	150	75	150
Unit 7	3.18	53.90	170	100	170
Total	9.04	148.37			450
Bhusawal					
Unit 2	3.71	55.78	165	150	160
Unit 3	4.02	64.88	175	155	180
Unit 4	0.00	18.53	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	7.73	139.19			340
Parli					
Unit 3	3.46	63.87	172	115	150
Unit 4	0.00	2.58	0	0	0
Unit 5	3.86	60.75	169	149	170
Unit 6	3.81	71.55	209	139	155
Unit 7	0.00	41.79	0	0	0
Total	11.13	240.54			475
Chandrapur					
Unit 1	3.63	60.48	158	140	160
Unit 2	3.38	47.72	155	125	140
Unit 3	3.98	64.33	185	140	160
Unit 4	4.37	72.04	198	149	150
Unit 5	7.65	121.02	410	205	425
Unit 6	7.87	158.59	420	235	400
Unit 7	8.86	132.35	431	315	400
Total	39.74	656.53			1835
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	69.04			0
Khaparkheda					
Unit 1	4.56	53.08	205	175	210
Unit 2	0.00	0.72	0	0	0
Unit 3	3.85	77.20	190	0	210
Unit 4	4.61	78.46	211	174	210
Unit 5	6.12	84.07	275	241	250
Total	19.15	293.54			880
Nasik					
Unit 3	4.92	69.46	220	165	210
Unit 4	3.89	73.82	211	135	160
Unit 5	4.45	60.39	192	172	200
Total	13.26	203.68			570
Uran					
All Units	14.45	203.68	651	566	640
Total	14.45	203.68			640
PENCH (MS)					
Pench (MS)	0.22	2.48	25	0	0
Total	0.22	2.48			0
Koyna					
Stage 1-2	2.86	78.84	385	35	600
Stage 4	2.81	97.14	531	0	250
Stage 3	1.52	39.46	160	0	320
Kovna 12&4 Total	5.67	175.98			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.18	215.44			1170
Hydro					
KDPH	0.67	5.18	28	27	30
VTRNA	1.02	9.43	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	4.98	82	0	80
RNGR+BHTSA	0.26	3.50	11	11	10
BHANDARDRA	0.31	1.98	13	13	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.32	3.89	19	11	12
GHATGHAR	0.13	9.15	70	0	0
Total	3.09	38.11			202
Wind					
MalharPeth	0.95	9.58			
Vankuswadi	1.86	15.48			
ATIT	0.26	3.34			
Kale	0.59	5.43			
Satara	4.57	25.43			
Shirala	0.40	6.95			
K Mahankal	0.69	20.37			
Supa	0.38	3.86			
Vita	3.67	34.98			
Dondaicha	7.23	106.28			
Sakri	1.04	14.05			
Nandurbar	0.59	10.87			
Khandke	1.58	11.28			
Khaparale	0.69	10.44			
Total	24.49	278.34			
CPP					
JSW JAIGAD	29.02	457.57	1222	1195	1100
WARDHA	10.46	162.16	516	348	465
Other CPPs	9.83	123.19			
Total	49.30	742.92			1565
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.04	173.50	505	497	500
Trombay 6	6.61	107.20	473	154	500
Trombay 7A	2.56	45.71	124	81	120
Trombay 7B	1.49	25.39	68	55	60
Trombay 8	6.01	96.15	253	242	250
TATA Hydro	5.74	88.62	453	18	447
Total	34.45	536.57			1877
REL					
1&2	12.53	200.76	524	520	500
Total	12.53	200.76			500
Cent Sect					
Share					3704
Total					3704

MS PG CL	Thermal	100.06	1750.88			4550
	Thml+Gas	114.51	1954.57			5190
	Hydro	10.28	253.55			1372
	Total	124.78	2208.11			6562
State Total		245.78	3969.18			14208

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Jun/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	4494	900	635	6029	762	2032	3946	3590	-657	-627	11810	237	12047	2356	14403	49.47
2	4314	609	635	5558	849	2028	3803	3463	-512	-491	11432	284	11716	2130	13846	49.67
3	4325	465	636	5426	852	2019	3469	3161	-359	-357	11125	301	11426	2026	13452	49.68
4	4347	371	637	5355	795	2055	3549	3208	-448	-304	11117	314	11431	1946	13377	49.74
5	4345	391	640	5376	741	2088	3574	3233	-461	-251	11187	327	11514	1887	13401	49.67
6	4385	596	639	5620	623	2088	3565	3535	-452	-257	11609	448	12057	1905	13962	49.77
7	4316	208	643	5167	505	1985	3782	3977	-474	-229	11405	791	12196	1880	14076	49.65
8	4432	337	644	5413	498	1991	3699	3915	-410	-289	11528	824	12352	1953	14305	49.75
9	4349	222	651	5222	741	2010	3692	3814	-461	-437	11350	914	12264	2194	14458	49.98
10	4323	172	606	5101	990	2088	3877	4593	-596	-564	12208	682	12890	2521	15411	49.98
11	4083	589	585	5257	1074	1994	4318	4363	-655	-575	12113	656	12769	2784	15553	49.73
12	4003	1112	588	5703	1105	2124	4218	4040	-699	-507	12465	742	13207	2836	16043	49.70
13	3922	883	595	5400	1192	2119	4160	4001	-708	-509	12203	800	13003	2840	15843	49.67
14	3930	571	587	5088	1137	2123	4158	4202	-683	-538	12012	691	12703	2793	15496	49.69
15	4030	655	582	5267	1316	2085	4176	4267	-697	-541	12394	603	12997	2822	15819	49.65
16	4046	434	589	5069	1365	2072	4223	4252	-711	-524	12234	630	12864	2802	15666	49.70
17	4058	244	577	4879	1469	2049	4067	3979	-688	-522	11854	741	12595	2736	15331	49.83
18	4156	160	571	4887	1422	2010	4119	3597	-645	-480	11438	671	12109	2638	14747	50.08
19	4115	188	568	4871	1315	2026	4144	3719	-622	-465	11488	409	11897	2535	14432	49.92
20	4151	294	566	5011	1202	2052	4113	3888	-694	-468	11709	507	12216	2582	14798	49.73
21	4154	307	568	5029	1261	2051	4110	4028	-691	-475	11917	578	12495	2580	15075	49.79
22	3909	176	569	4654	1168	2064	4134	4022	-711	-503	11429	563	11992	2485	14477	49.87
23	3951	193	567	4711	1080	2083	4176	4140	-757	-442	11595	262	11857	2310	14167	49.60
24	3921	198	572	4691	1032	2069	4027	4162	-786	-489	11488	218	11706	2281	13987	49.70
MUs	100.06	10.28	14.45	124.78	24.49	49.30	95.10	93.15	-14.58	-10.84	281.11	13.19	294.30	57.82	352.12	49.75

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 16/Jun/2012

Position as on 6.30 Hrs of 17/Jun/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.	20/06/2012
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	05/07/2012
Cent_Sect NTPC(K-5)	500	01/06/2012	23.50		Continued.	A/OH.	30/06/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	20/06/2012
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Dabhol 2B	230	08/06/2012	11.21		Continued.	W/Dn.	
Dabhol 3A	230	10/06/2012	12.48		Continued.	Gas Shortage	
Parli Unit 7	250	11/06/2012	18.30	17/06/2012	14.10	CHP problem	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Cent_Sect Sipat U-1	660	15/06/2012	18.53	16/06/2012	13.22	Bus Bar Operated.	
Cent_Sect Sipat U-2	660	15/06/2012	18.53	16/06/2012	08.59	Bus Bar Operated.	
Cent_Sect Sipat-4	500	15/06/2012	19.10	16/06/2012	03.40	Bus Bar Operated.	
Cent_Sect sipat-5	500	15/06/2012	19.30	16/06/2012	08.16	Bus Bar Operated.	
CPP WPCL U-2	135	15/06/2012	23.47	16/06/2012	02.45	Generator protection operated.	
Koyna Unit 2	75	16/06/2012	10.15		Continued.	Installation of Numerical relay.	21/06/2012
Dabhol 1A	230	16/06/2012	11.45		Continued.	Withdrawn.	
Cent_Sect NTPC(V-8)	500	16/06/2012	18.12	16/06/2012	21.08	Generator protection operated.	
Khaparkheda Unit 3	210	16/06/2012	21.07	17/06/2012	04:24	Generator protection.	
Cent_Sect NTPC(V-10)	500	16/06/2012	22:45		Continued.	Boiler Tube Leakage.	
Dabhol 2A	230	17/06/2012	03:04	17/06/2012	06.13	Drum Level High.	
Dabhol 2X	290	17/06/2012	03:04	17/06/2012	06.59	Drum Level High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jun/2012

Position as on 6.30 Hrs of 17/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	14/06/2012	09.23		Continued.	Over Voltage.
Kolhapur - Mapusa - I	15/06/2012	16.39	16/06/2012	10:38	Over Voltage.
765KV Seoni - Wardha - II	15/06/2012	19.03	16/06/2012	11.42	Over Voltage
Parly(PG) - Wardha (PG) - I	15/06/2012	21.05		Continued.	To Control Wardha-Deoli line loading.
Kolhapur - Mapusa - II	16/06/2012	17:52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur - Boiser	16/06/2012	14.56	16/06/2012	20.10	R ph.wave trap snapped at Boiser end.
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
Chandrapur - Parli - III	09/06/2012	09.27		Continued.	Overhauling of breaker(Ckt charged through TBC at Parly end)
400/220KV 500MVA ICT- I at Khaperkheda	16/06/2012	09:25	16/06/2012	19:05	Cutting of extra length IPS tube at 33 KV side to maintain the phase to phase clearance.
400/220 KV 315 MVA ICT-II @ Chakan	16/06/2012	11:19	16/06/2012	15:30	R phase C T Replacement Work.
400/220/33KV,500 MVA ICT-I At Kalwa	16/06/2012	15.21	16/06/2012	20.00	Testing work.
Chandrapur - Parli - I	16/06/2012	15:28	17/06/2012	08.59	Attending Earth leakage detected.
400 KV Bus Coupler @ Koradi	16/06/2012	16.20	16/06/2012	16.28	To attending sparking at 29B isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Karad-Pophali	15/06/2012	08.10	16/06/2012	21:05	Making cut point for 220KV panama line.
Babaleshwar - Nagar - I	16/06/2012	07:20	16/06/2012	09:18	Hot Spot.
Uran - HOCL	16/06/2012	07:37	16/06/2012	19:51	Replacement of L.A.,P.T.
Apta-HOC	16/06/2012	07:57	16/06/2012	19:16	Replacement of L.A.,P.T.
220/132 KV, 200 MVA ICT - 6 at Nasik	16/06/2012	08:05	16/06/2012	14:08	C & tan-delta of HV,LV SFRA, CRM.
Vita-Mhaisal	16/06/2012	09:35	16/06/2012	18:38	Replacement of Insulator.
220/132KV 200MVA ICT-I @ Raymond	16/06/2012	10:10	16/06/2012	15:20	Ten Delta Testing.
Nivali-Pawas	16/06/2012	12:32	16/06/2012	14:28	Testing Work.
Bhenda-Waluj	16/06/2012	13:30	16/06/2012	16:01	Replacement of Insulator.
Chandrapur-Wani	16/06/2012	14:27	16/06/2012	18:30	Relay Testing work.
220/132 KV 200 MVA ICT-IV @ Nasik OCR	16/06/2012	14:28	16/06/2012	15:33	Pre Mansoon Maintance Work.
Apta-Kalwa	16/06/2012	15:02	16/06/2012	15:17	Tree Cutting work at Kalwa.
Lamboti - Pandharpur	16/06/2012	16.37	16/06/2012	19.45	SCADA work.
220/33KV,100 MVA,ICT-II at Valve	17/06/2012	08.13	17/06/2012	09.30	Premonsoon maint.work.
Vita-Mhaisal	17/06/2012	10.08	17/06/2012	18.47	Replacement of Insulator.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jun/2012

Position as on 6.30 Hrs of 17/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Uran - JNPT	17/06/2012	11.00	17/06/2012	14.32	Hot Spot.
Kandalgaon - Dasturi	17/06/2012	11.40	17/06/2012	13.54	Hot Spot.
220/100KV 200 MVA ICT III at Borivali	17/06/2012	13.11	17/06/2012	17.37	Tan delta Measurement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhenda-Nevasa	16/06/2012	11.40	16/06/2012	18.16	Y ph.CT replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Waluj II	12/06/2012	16.00		Continued.	Over Voltage
Bhusawal- Aurangabad	15/06/2012	16.30		Continued.	Over Voltage.
Karad-Kolhapur-II	15/06/2012	17.07	16/06/2012	07:10	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chinchwad - Parvati	16/06/2012	09:50	16/06/2012	16:37	To Control ICT Loading 400 KV Chakan.
Bhosari - Chakan	16/06/2012	11:19	16/06/2012	15:37	To Control Chakan ICT Loading.
Badnera - Deoli (PGCIL)	17/06/2012	20.37	17/06/2012	21.10	Distance Protection.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad II	16/06/2012	14.25	16/06/2012	14.52	Distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/6.6 KV 40 MVA Station T/F- I @ Kaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
Chinchwad - Telco	17/06/2012	05:14	17/06/2012	05:52	Distance Protection.
Chinchwad - Chakan	17/06/2012	05:23	17/06/2012	05:39	Distance Protection.
220/132 KV 200 MVA T/F- I @ Boiser	17/06/2012	13.28	17/06/2012	17.05	Diff.protection.
Khaparkheda-Kawlewada-II	17/06/2012	16.51	17/06/2012	17.08	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Boiser - Viraj	17/06/2012	13.48	17/06/2012	18.49	Distance Protection.
Viraj-Jindal	17/06/2012	13.48	17/06/2012	19.02	Distance Protection.
Paras-Malkapur	17/06/2012	19.51	17/06/2012	20.09	Distance Protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Chinchwad - Talegaon	17/06/2012	04:24	17/06/2012	04:49	Distance Protection.
Chinchwad - Talegaon	17/06/2012	05:23	17/06/2012	05:44	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	115
Unit 7	210	100
	620	340
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	0
Unit 5	500	0
	1420	340
Parli		
Unit 3	210	110
Unit 4	210	0
Unit 5	210	94
Unit 6	250	187
Unit 7	250	0
	1130	391
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	170
Unit 4	210	170
Unit 5	500	200
Unit 6	500	325
Unit 7	500	315
	2340	1420
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	100
Unit 4	210	190
Unit 5	500	170
	1340	650
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
Uran		
All Units	852	620
	852	620
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	28
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	201
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	1100
WARDHA	405	393
Other CPPs	0	
	1005	1493
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	4260
	3455	4260