



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Jul/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.447	1260.558	1) Gujrat	3.375	-14.624
2) Hydro	4.529	94.632	2) Madhya Pradesh	11.333	180.485
3) Gas	7.404	133.066	3) Chattisgarh	10.460	144.310
Total MSGENCO	120.380	1488.256	4) Maharashtra	48.335	647.565
B) OTHERS			5) Goa	-5.942	-77.397
1) JSW JAIGAD	29.114	371.440	6) TAPS 1&2 Injection	7.295	95.284
2) WPCL	9.607	115.959	7) RGPPL Injection	17.310	242.891
3) Other CPP / IPP	6.129	79.418	8) Pench (Excess)	-0.076	-0.993
4) Wind Generation	18.587	230.240	# Total Cent. Sector	92.090	1217.521
5) PENCH (MS)	0.076	0.993	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.991	-150.888
1) TPCL Thermal	28.959	350.295	G) Bilateral Power *		
2) TPCL Hydro	4.565	50.264	1) MSEDCL Bilateral	23.790	336.737
TOTAL TPCL	33.524	400.559	Include PX	0.000	0.950
3) REL Thermal	12.571	161.540	2) MUMBAI Bilateral	14.540	169.143
D) STATE			Include PX	1.080	4.791
1) Thermal (A1+C1+C3)	149.977	1772.393	3) MUMBAI Schedule	14.540	169.143
2) Hydro (A2+B5+C2)	9.170	145.889	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.404	133.066	1) MSEDCL	264.992	3352.939
4) Wind (B4)	18.587	230.240	2) TPCL	38.397	478.870
5) CPP (B1+B2+B3)	44.850	566.817	3) REL	18.685	234.087
TOTAL STATE	229.988	2848.405	TOTAL STATE	322.074	4065.896

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4624	4351	4531
MSGENCO Hydro	189	560	41
MSGENCO Gas	310	307	310
MSGENCO Total Generation	5123	5218	4882
Central Sector Receipt	4172	4167	3587
WIND	799	744	677
CPP / IPP	1840	1907	1839
Exchange with Mumbai	-437	-435	-284
MSEDCL DEMAND MET	11497	11624	10701
Load Shedding	747	514	300
MSEDCL DEMAND	12244	12138	11001
TPCL GENERATION	1659	1649	827
R-INFRA GENERATION	524	520	525
TPCL+R-INFRA DEMAND	2620	2604	1636
STATE DEMAND MET	14117	14228	12337
STATE DEMAND	14864	14742	12637
Frequency (Hz)	49.75	49.61	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 18.02 Hrs	49.2 Hz at 10.16 Hrs	49.78	.09 % 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 13/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.96	35.02	137	100	120
Unit 6	0.00	33.81	0	0	0
Unit 7	3.63	48.02	185	115	165
Total	6.59	116.85			285
Bhusawal					
Unit 2	3.41	43.86	150	135	140
Unit 3	3.30	30.65	155	80	150
Unit 4	5.97	12.21	394	130	
Unit 5	0.00	0.00	0	0	
Total	12.67	86.72			290
Parli					
Unit 3	0.22	37.27	106	0	0
Unit 4	3.09	39.68	137	112	140
Unit 5	3.38	43.70	158	132	140
Unit 6	2.64	8.98	154	50	100
Unit 7	2.94	32.69	162	101	100
Total	12.27	162.31			480
Chandrapur					
Unit 1	3.60	44.08	156	138	155
Unit 2	3.64	45.84	161	143	150
Unit 3	4.27	53.16	184	163	185
Unit 4	4.56	58.09	197	180	200
Unit 5	9.12	111.84	430	335	425
Unit 6	8.92	120.80	400	340	400
Unit 7	9.37	74.40	435	340	350
Total	43.47	508.21			1865
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	5.72	23.32	267	226	250
Total	5.72	23.32			250
Khaparkheda					
Unit 1	4.52	57.05	205	170	210
Unit 2	0.00	0.00	0	0	0
Unit 3	4.72	60.40	204	185	210
Unit 4	4.31	60.11	195	153	210
Unit 5	5.14	47.79	318	0	250
Total	18.70	225.35			880
Nasik					
Unit 3	4.56	44.39	215	0	192
Unit 4	4.47	56.50	208	144	192
Unit 5	0.00	36.90	0	0	0
Total	9.03	137.80			384
Uran					
All Units	7.40	133.07	310	304	300
Total	7.40	133.07			300
PENCH (MS)					
Pench (MS)	0.08	0.99	24	0	
Total	0.08	0.99			
Koyna					
Stage 1-2	1.94	32.86	255	40	530
Stage 4	0.00	17.20	0	0	250
Stage 3	0.74	18.48	228	0	240
Kovna 12&4 Total	1.94	50.05			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.68	68.54			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.88	11.78	61	0	60
TILLARI	0.00	1.79	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.40	4.33	81	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.00	0.67	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	1.01	9	0	8
GHATGHAR	0.48	5.55	125	0	0
Total	1.85	26.10			148
Wind					
MalharPeth	0.75	12.75			
Vankuswadi	1.54	19.57			
ATIT	0.17	4.87			
Kale	0.39	6.64			
Satara	0.60	29.07			
Shirala	0.31	8.23			
K Mahankal	3.19	19.04			
Supa	0.35	3.36			
Vita	2.40	40.26			
Dondaicha	5.57	52.78			
Sakri	0.77	7.74			
Nandurbar	0.43	5.60			
Khandke	1.12	13.21			
Khaparale	0.99	7.12			
Total	18.59	230.24			
CPP					
JSW JAIGAD	29.11	371.44	1217	1202	1100
WARDHA	9.61	115.96	444	364	440
Other CPPs	6.13	79.42			
Total	44.85	566.82			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.54	139.25	501	284	500
Trombay 6	8.16	83.12	501	158	500
Trombay 7A	2.94	36.66	125	121	120
Trombay 7B	1.61	20.44	68	67	60
Trombay 8	5.70	70.82	249	192	250
TATA Hydro	4.56	50.26	394	0	447
Total	33.52	400.56			1877
REL					
1&2	12.57	161.54	526	520	500
Total	12.57	161.54			500
Cent Sect					
Share					4220
Total					4220

MS PG CL	Thermal	108.45	1260.56			4434
	Thml+Gas	115.85	1393.62			4734
	Hydro	4.53	94.63			1168
	Total	120.38	1488.26			5902
State Total		229.99	2848.40			14039

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Jul/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	4502	40	310	4852	800	1846	4057	3932	-517	-394	11037	158	11195	1962	13157	49.90
2	4590	46	310	4946	777	1826	3976	3630	-493	-356	10823	205	11028	1784	12812	49.72
3	4616	46	310	4972	705	1835	3794	3585	-469	-345	10752	225	10977	1695	12672	49.63
4	4568	41	310	4919	724	1835	3755	3599	-435	-292	10785	248	11033	1640	12673	49.83
5	4531	41	310	4882	677	1839	3741	3587	-423	-284	10701	300	11001	1636	12637	49.91
6	4466	121	310	4897	592	1839	3831	3851	-512	-371	10808	427	11235	1724	12959	49.74
7	4477	101	310	4888	602	1837	3872	4037	-507	-431	10933	881	11814	1840	13654	49.86
8	4305	46	310	4661	571	1839	3926	4461	-574	-441	11091	930	12021	1969	13990	49.81
9	4530	88	310	4928	821	1846	3928	3913	-577	-445	11063	1013	12076	2259	14335	49.90
10	4624	189	310	5123	799	1840	3938	4172	-588	-437	11497	747	12244	2620	14864	49.75
11	4544	312	310	5166	720	1842	4013	4057	-680	-559	11226	669	11895	2886	14781	49.64
12	4607	241	307	5155	714	1857	4086	4010	-761	-566	11170	698	11868	2925	14793	49.73
13	4565	210	308	5083	718	1900	4039	3708	-757	-578	10831	688	11519	2924	14443	49.63
14	4614	102	308	5024	900	1893	3945	3589	-657	-503	10903	586	11489	2854	14343	49.80
15	4666	112	308	5086	917	1885	3984	3562	-679	-528	10922	469	11391	2873	14264	49.76
16	4626	112	307	5045	1017	1886	3993	3808	-691	-575	11181	295	11476	2880	14356	49.84
17	4449	102	308	4859	1014	1885	3904	3549	-643	-517	10790	311	11101	2864	13965	49.91
18	4351	101	310	4762	988	1892	3862	3371	-579	-516	10497	225	10722	2840	13562	50.03
19	4383	125	304	4812	877	1885	3883	3605	-572	-410	10769	155	10924	2637	13561	49.88
20	4406	291	305	5002	823	1909	4066	4050	-617	-403	11389	487	11876	2671	14547	49.66
21	4351	560	307	5218	744	1907	4200	4167	-698	-435	11624	514	12138	2604	14742	49.61
22	4494	455	307	5256	663	1914	4202	4013	-707	-532	11338	493	11831	2459	14290	49.71
23	4645	582	308	5535	688	1916	4092	3950	-718	-549	11560	233	11793	2337	14130	49.73
24	4537	465	307	5309	736	1897	3966	3882	-687	-524	11300	183	11483	2203	13686	49.73
MUs	108.45	4.53	7.40	120.38	18.59	44.85	95.05	92.09	-14.54	-10.99	264.99	11.14	276.13	57.09	333.22	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 13/Jul/2012

Position as on 6.30 Hrs of 14/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	15/07/2012
Hydro GHATGHAR	250	05/07/2012	15.30		Continued.	For AOH.	
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Annual Overhaul	15/08/2012
Koradi Unit 6	210	12/07/2012	23.56		Continued.	Boiler Validity expired.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Boiler tube leakage.	
Dabhol 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Koyna Unit 4	75	28/06/2012	07.10		Continued.	All Injectors Insitu Meter Filling Work.	20/07/2012
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
Uran Unit 8	108	07/07/2012	14.28		Continued.	Due to gas shortage.	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Cent_Sect Sipat U-2	660	13/07/2012	01.17		Continued.	BLR T/L.	
Parli Unit 3	210	13/07/2012	02.54		Continued.	P A Fan problem.	
Nasik Unit 3	210	13/07/2012	06.55	13/07/2012	08.20	Turbine tripped.	
Khaparkheda Unit 5	500	13/07/2012	15.45	13/07/2012	21.05	Flame Failure.	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Bhusawal Unit 4	500	14/07/2012	02.25		Continued.	Station T/F trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jul/2012

Position as on 6.30 Hrs of 14/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Dhule-Sar'Sarovar - I	04/07/2012	22.47	13/07/2012	11.28	Over Voltage
Kolhapur - Mapusa - II	12/07/2012	23.28		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	13/07/2012	11.20		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
Chandrapur - Parli - I	13/07/2012	08.13		Continued.	Attending hot spot.(Ready for charging at 17.52 hrs.)
400/220 KV 315 MVA ICT-II @ Kharghar	13/07/2012	08.58	13/07/2012	22.08	Attending hot spot and testing work.
400/220 KV 315 MVA ICT - I @ Aurangabad	13/07/2012	10.21	13/07/2012	17.48	Half Yearly maintenance and CTR commissionng.
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.
220/110KV 200MVA ICT-II at Mudshingi	09/07/2012	09.12		Continued.	Bus section II and III outage.
Auxiliary Bus @ Babhleshwar	12/07/2012	11.02		Continued.	Balance work of conversion of single to Twin Conductor.
Babaleshwar - Ranjangaon	13/07/2012	09.01	13/07/2012	19.33	Repl.of faulty insulator.
220/132KV 200MVA ICT-I at Malegaon	13/07/2012	09.42	13/07/2012	13.49	Tan delta measurement.
Apta-Nagothane	13/07/2012	10.02	13/07/2012	11.50	Maintenance work.
Bus Section - I @ Nasik GCR	13/07/2012	10.30	13/07/2012	13.22	C.T.Repl.Work.
Apta-Taloja	13/07/2012	12.32	13/07/2012	15.33	Dismantling of Aux.Isolator.
220/132 KV 200 MVA ICT-II @ Boiser	13/07/2012	12.58	13/07/2012	22.02	Diff.relay Repl.work.
Talangade - Mudshingi - I	13/07/2012	13.03	13/07/2012	19.08	C.B.and relay testing work.
Chalisgaon - Malegaon	13/07/2012	14.10	13/07/2012	16.37	Tan delta measurement.
Kalwa - Salshet - IV	13/07/2012	15.43	13/07/2012	18.03	Repl.of damaged conductor.
Lamboti-Bale-II	13/07/2012	16.43		Continued.	Reconnection of line jumper 29 C Isolator and CT of 220 KV Solapur II Feeder.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bus Section -I at Boiser	13/07/2012	09.24	13/07/2012	14.27	Repl.of E/W.
Boiser - Palghar - I	13/07/2012	17.20	13/07/2012	19.27	Attending Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Bhusawal- Aurangabad	27/06/2012	17.04		Continued.	Over Voltage,Outage Aailed @ 09.15 Hrs for Replacing Broken Line Spacer & Fixing Repair Siecre for Broken

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jul/2012

Position as on 6.30 Hrs of 14/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Conductor (Ready for Charging from 10.42 Hrs).
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Karad-Kolhapur-II	12/07/2012	17.02	13/07/2012	07.51	H/T for Over Voltage.
Lonikand- Koyna Stage IV	13/07/2012	04.16	13/07/2012	07.27	Over Voltage.
Karad - Kolhapur - II	13/07/2012	17.17		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	09/07/2012	12.30		Continued.	To control Parli ICT loading.
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Karad-Mudsingi-IV	12/07/2012	15.15		Continued.	H/T for TBC to be made free for Wathar line.
Aurangabad - Bhenda	13/07/2012	10.18	13/07/2012	17.52	Due to outage of ICT-I at A'bad.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	14/07/2012	02.20		Continued.	Trip.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/132KV,200 MVA ICT-I at Dhule	13/07/2012	14.30	13/07/2012	19.25	PRV tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani - Pathri	13/07/2012	20.05	13/07/2012	20.12	Dist.Protection Z-I,(Ckt on TBC).
Parbhani-Jintur	13/07/2012	21.31	13/07/2012	21.45	Dist.Protection Y-Ph Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	0
Unit 7	210	125
	620	235
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	125
Unit 5	210	135
Unit 6	250	100
Unit 7	250	125
	1130	485
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	185
Unit 4	210	190
Unit 5	500	350
Unit 6	500	375
Unit 7	500	400
	2340	1800
Paras		
Unit 3	250	
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	250
	1340	880
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	0
	630	384
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
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	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	148
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	440
Other CPPs	0	
	1005	1540
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	4368
	3455	4368