



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jul/2012

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 14/Jul/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.699	1365.257	1) Gujrat	0.370	-14.254
2) Hydro	7.101	101.733	2) Madhya Pradesh	16.032	196.517
3) Gas	7.358	140.424	3) Chattisgarh	11.050	155.360
Total MSGENCO	119.158	1607.414	4) Maharashtra	49.015	696.580
B) OTHERS			5) Goa	-6.001	-83.398
1) JSW JAIGAD	28.884	400.324	6) TAPS 1&2 Injection	7.330	102.614
2) WPCL	9.743	125.702	7) RGPPL Injection	18.137	261.028
3) Other CPP / IPP	6.014	85.432	8) Pench (Excess)	-0.078	-1.071
4) Wind Generation	18.033	248.273	# Total Cent. Sector	95.855	1313.376
5) PENCH (MS)	0.078	1.071	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.015	-160.903
1) TPCL Thermal	28.342	378.637	G) Bilateral Power *		
2) TPCL Hydro	3.392	53.656	1) MSEDCL Bilateral	23.790	360.527
TOTAL TPCL	31.734	432.293	Include PX	0.000	0.950
3) REL Thermal	12.598	174.138	2) MUMBAI Bilateral	14.031	183.174
D) STATE			Include PX	0.548	5.339
1) Thermal (A1+C1+C3)	145.639	1918.032	3) MUMBAI Schedule	14.031	183.174
2) Hydro (A2+B5+C2)	10.571	156.460	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.358	140.424	1) MSEDCL	267.750	3620.689
4) Wind (B4)	18.033	248.273	2) TPCL	36.372	515.242
5) CPP (B1+B2+B3)	44.641	611.458	3) REL	17.974	252.061
TOTAL STATE	226.242	3074.647	TOTAL STATE	322.096	4387.992

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4558	4199	4216
MSGENCO Hydro	781	448	40
MSGENCO Gas	311	303	308
MSGENCO Total Generation	5650	4950	4564
Central Sector Receipt	3939	4369	3797
WIND	535	825	727
CPP / IPP	1896	1906	1819
Exchange with Mumbai	-413	-463	-305
MSEDCL DEMAND MET	11607	11607	10602
Load Shedding	744	550	320
MSEDCL DEMAND	12351	12157	10922
TPCL GENERATION	1772	1522	831
R-INFRA GENERATION	526	525	524
TPCL+R-INFRA DEMAND	2711	2510	1660
STATE DEMAND MET	14318	14117	12262
STATE DEMAND	15062	14667	12582
Frequency (Hz)	49.73	49.64	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 18.02 Hrs	49.22 Hz at 23.05 Hrs	49.84	0 % 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 14/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.46	37.48	117	72	110
Unit 6	0.00	33.81	0	0	0
Unit 7	3.14	51.16	150	105	125
Total	5.60	122.45			235
Bhusawal					
Unit 2	3.30	47.16	150	115	150
Unit 3	3.54	34.19	160	140	150
Unit 4	3.37	15.57	382	0	
Unit 5	0.00	0.00	0	0	
Total	10.21	96.93			300
Parli					
Unit 3	0.00	37.27	0	0	0
Unit 4	2.81	42.49	132	106	125
Unit 5	3.12	46.81	143	120	135
Unit 6	2.81	11.79	161	90	100
Unit 7	2.64	35.33	148	80	125
Total	11.38	173.69			485
Chandrapur					
Unit 1	3.22	47.30	153	90	150
Unit 2	3.29	49.13	160	89	150
Unit 3	4.12	57.28	185	145	185
Unit 4	4.39	62.48	201	140	190
Unit 5	9.16	121.00	420	320	350
Unit 6	8.54	129.34	390	290	375
Unit 7	9.60	84.00	450	343	400
Total	42.31	550.52			1800
Paras					
Unit 3	0.00	0.00	0	0	
Unit 4	5.82	29.14	262	186	250
Total	5.82	29.14			250
Khaparkheda					
Unit 1	3.90	60.94	205	85	210
Unit 2	0.00	0.00	0	0	0
Unit 3	4.87	65.28	210	187	210
Unit 4	4.91	65.02	212	189	210
Unit 5	6.17	53.96	309	205	250
Total	19.85	245.20			880
Nasik					
Unit 3	5.18	49.56	220	200	192
Unit 4	4.36	60.86	202	151	192
Unit 5	0.00	36.90	0	0	0
Total	9.53	147.33			384
Uran					
All Units	7.36	140.42	311	301	300
Total	7.36	140.42			300
PENCH (MS)					
Pench (MS)	0.08	1.07	25	0	
Total	0.08	1.07			
Koyna					
Stage 1-2	2.80	35.65	360	35	530
Stage 4	1.54	18.74	485	0	250
Stage 3	0.82	19.30	240	0	240
Kovna 12&4 Total	4.34	54.39			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.16	73.70			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.54	12.32	61	0	60
TILLARI	0.00	1.79	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.38	4.71	80	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	0.06	1.07	8	0	8
GHATGHAR	0.96	6.51	125	0	0
Total	1.94	28.04			148
Wind					
MalharPeth	0.76	13.51			
Vankuswadi	1.55	21.13			
ATIT	0.18	5.05			
Kale	0.40	7.04			
Satara	0.54	29.61			
Shirala	0.31	8.54			
K Mahankal	2.80	21.85			
Supa	0.27	3.64			
Vita	2.14	42.40			
Dondaicha	5.67	58.45			
Sakri	0.98	8.72			
Nandurbar	0.49	6.08			
Khandke	0.99	14.20			
Khaparale	0.95	8.07			
Total	18.03	248.27			
CPP					
JSW JAIGAD	28.88	400.32	1217	1158	1100
WARDHA	9.74	125.70	441	370	440
Other CPPs	6.01	85.43			
Total	44.64	611.46			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.54	149.79	504	284	500
Trombay 6	7.49	90.61	490	161	500
Trombay 7A	2.93	39.59	124	120	120
Trombay 7B	1.61	22.05	68	66	60
Trombay 8	5.78	76.59	250	193	250
TATA Hydro	3.39	53.66	377	0	447
Total	31.73	432.29			1877
REL					
1&2	12.60	174.14	526	523	500
Total	12.60	174.14			500
Cent Sect					
Share					4368
Total					4368

MS PG CL	Thermal	104.70	1365.26			4334
	Thml+Gas	112.06	1505.68			4634
	Hydro	7.10	101.73			1168
	Total	119.16	1607.41			5802
State Total		226.24	3074.65			14087

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4599	147	307	5053	670	1821	3866	3839	-523	-411	10972	230	11202	1996	13198	49.83
2	4634	40	307	4981	761	1842	3853	3648	-510	-389	10843	278	11121	1827	12948	49.88
3	4398	40	308	4746	761	1815	3822	3723	-482	-367	10678	300	10978	1735	12713	49.88
4	4287	55	308	4650	771	1823	3791	3792	-462	-325	10711	308	11019	1681	12700	50.08
5	4216	40	308	4564	727	1819	3786	3797	-457	-305	10602	320	10922	1660	12582	50.05
6	4239	50	309	4598	759	1820	3791	4289	-462	-362	11104	426	11530	1734	13264	49.98
7	4291	55	304	4650	585	1780	3954	4159	-491	-386	10788	812	11600	1794	13394	49.90
8	4287	78	309	4674	495	1816	4027	4295	-570	-425	10855	846	11701	1890	13591	49.92
9	4274	98	310	4682	615	1824	4009	4137	-578	-393	10865	923	11788	2097	13885	49.92
10	4364	379	307	5050	619	1806	3985	4132	-583	-376	11231	717	11948	2417	14365	49.74
11	4460	686	308	5454	540	1817	4016	4268	-621	-414	11665	663	12328	2673	15001	49.82
12	4558	781	311	5650	535	1896	4006	3939	-656	-413	11607	744	12351	2711	15062	49.73
13	4491	548	305	5344	699	1894	4038	3988	-653	-410	11515	760	12275	2709	14984	49.73
14	4502	327	305	5134	662	1904	4009	3866	-623	-395	11171	652	11823	2629	14452	49.73
15	4580	286	306	5172	842	1901	4004	3862	-617	-416	11361	558	11919	2638	14557	49.75
16	4514	131	311	4956	938	1900	4006	3905	-605	-405	11294	574	11868	2628	14496	49.82
17	4523	84	310	4917	1184	1901	3988	3749	-586	-463	11288	686	11974	2589	14563	50.01
18	4549	41	308	4898	1044	1885	3966	3414	-580	-452	10789	486	11275	2530	13805	50.04
19	4320	77	308	4705	1051	1876	4077	3748	-572	-418	10962	375	11337	2452	13789	49.96
20	4251	319	302	4872	816	1906	4275	4163	-628	-438	11319	575	11894	2518	14412	49.70
21	4199	448	303	4950	825	1906	4344	4369	-694	-463	11607	550	12157	2510	14667	49.64
22	4079	391	302	4772	698	1901	4336	4502	-712	-514	11384	535	11919	2411	14330	49.77
23	4044	820	301	5165	827	1896	4142	4231	-704	-545	11599	249	11848	2309	14157	49.64
24	4040	1180	301	5521	609	1892	3771	4037	-659	-530	11537	200	11737	2209	13946	49.65
MUs	104.70	7.10	7.36	119.16	18.03	44.64	95.86	95.85	-14.03	-10.02	267.75	12.77	280.51	54.35	334.86	49.84

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 14/Jul/2012

Position as on 6.30 Hrs of 15/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	
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	15/07/2012	21.10	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	14/07/2012	23.23	BLR T/L.	
Parli Unit 3	210	13/07/2012	02.54		Continued.	P A Fan problem.	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Bhusawal Unit 4	500	14/07/2012	02.25	14/07/2012	09.47	Station T/F trip.	
Bhusawal Unit 4	500	14/07/2012	18.14	15/07/2012	03.02	Drum Level High.	
Koyna ST - IV 3	250	14/07/2012	22.51	14/07/2012	23.45	Governor isolation valve not operating.	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
CPP JSW (J) U1	300	15/07/2012	18.44		Continued.	On cooling water problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2012

Position as on 6.30 Hrs of 15/Jul/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
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Kolhapur - Mapusa - II	12/07/2012	23.28		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	13/07/2012	11.20		Continued.	Over Voltage,Oppt. outage,availed on 14.07.2012 Jumper tightening work.(ready for charging at 16.40hrs.)
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Tillary-Amona	14/07/2012	10.40	14/07/2012	17.45	Due to main bus outage at Tillary.
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	14/07/2012	09.51	Attending hot spot.(Ready for charging at 17.52hrs on date 13/07/2012)
400/132KV 200 MVA ICT-I @ Bhusawal	14/07/2012	11.13	14/07/2012	19.00	C.T.Repl.work.
Chandrapur - Khaparkheda	14/07/2012	12.03	14/07/2012	17.09	Measurement of BKR.Timings.
400/220KV,315 MVA ICT-I at Kolhapur.	14/07/2012	17.10	14/07/2012	18.00	Repl.of rubber foundation bolt of LV winding.
400/220 KV315 MVA ICT-I @ BBLR	15/07/2012	14.12	15/07/2012	14.26	Testing work of conversion of single conductor to twin conductor of 220KV.
400/220KV 315MVA ICT-II @ BBLSR	15/07/2012	15.00	15/07/2012	15.44	Testing work of conversion of single conductor to twin conductor of 220KV.
400/220KV 500MVA ICT-III at Bableshwar	15/07/2012	17.02	15/07/2012	18.42	Testing work of conversion of single conductor to twin conductor of 220KV.
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.
Kalwa - Borivali	14/07/2012	08.17	14/07/2012	10.56	Providing additional vibration dampers bet'n loc.no. 21 B & 22 B.
220/132KV 200 MVA ICT I at Chalisgaon	14/07/2012	09.02	14/07/2012	17.02	Q.M.Work of ICT.
220/132KV 200MVA ICT-III at BBLSR	14/07/2012	09.05	14/07/2012	14.50	Q.M.Work
Babaleshwar - Nagar - I	14/07/2012	09.47	14/07/2012	14.10	Q.M.Work
Main Bus @ Tillary.	14/07/2012	10.40	14/07/2012	17.39	Attending red hot spot on Halkarni bay R & Y Ph. ct.
Mulund - Bhandup (GIS)	14/07/2012	11.10	14/07/2012	13.15	Providing additional vibration dampers bet'n loc.no. 21 B & 22 B.
Beed-Patoda I	14/07/2012	15.10	14/07/2012	15.20	Newly commissioned charged from Beed end only.
Beed-Patoda II	14/07/2012	15.10	14/07/2012	15.20	Newly commissioned charged from Beed end only.
Wada-Kolshet	15/07/2012	06.04	15/07/2012	10.38	E/W stringing work of highway crossing.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2012

Position as on 6.30 Hrs of 15/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dondaicha - Jamde - II.	15/07/2012	13.10	15/07/2012	15.58	Main breaker maintenance work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhenda-Nevasa	14/07/2012	11.50	14/07/2012	23.10	Y-Ph CT Replacement.
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 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	13/07/2012	17.17	14/07/2012	08.27	Over Voltage.
Karad - Kolhapur - I	14/07/2012	17.33	15/07/2012	08.43	Over Voltage.
Karad - Kolhapur - II	15/07/2012	16.14		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.
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	14/07/2012	10.23	Trip.
400/220 KV 315MVA ICT-II @ Karad	14/07/2012	13.54	14/07/2012	17.03	NDR.
Karad-Jaigad II	15/07/2012	15.53		Continued.	Distance protection .Ready for charging at 16.40Hrs.on 15.07.2012.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Jejury - Lonand	14/07/2012	18.35	14/07/2012	19.04	Tripped from Jejuri end only,due to load trimming scheme Mal.operated.
220/132 KV 200 MVA ICT - I @ Kalmeshwar	14/07/2012	20.25	14/07/2012	20.58	Back-up Prot.operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Akola	14/07/2012	05.05	14/07/2012	05.20	Distance Protection Z-I.
Kalmeshwar-Saoner Ckt.II	14/07/2012	20.25	14/07/2012	21.29	Distance Protection Z-I.
Pusad - Umarkhed	15/07/2012	00.07	15/07/2012	00.13	Distance protection operated Z1.
Nanded - Umri	15/07/2012	20.11	15/07/2012	20.22	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	95
Unit 6	210	0
Unit 7	210	120
	620	215
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	135
Unit 5	210	140
Unit 6	250	70
Unit 7	250	95
	1130	440
Chandrapur		
Unit 1	210	100
Unit 2	210	100
Unit 3	210	160
Unit 4	210	170
Unit 5	500	450
Unit 6	500	375
Unit 7	500	400
	2340	1755
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	200
Unit 4	210	200
Unit 5	500	200
	1340	790
Nasik		
Unit 3	210	192
Unit 4	210	182
Unit 5	210	0
	630	374
Uran		
All Units	852	290
	852	290
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	61

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	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	1098
WARDHA	405	363
Other CPPs	0	
	1005	1461
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	4190
	3455	4190

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