



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jul/2012

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 22/Jul/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.071	2154.938	1) Gujrat	2.925	-9.541
2) Hydro	7.234	181.324	2) Madhya Pradesh	11.097	311.961
3) Gas	7.088	214.815	3) Chattisgarh	10.570	245.530
Total MSGENCO	101.393	2551.077	4) Maharashtra	41.843	1085.638
B) OTHERS			5) Goa	-4.921	-128.416
1) JSW JAIGAD	28.950	601.288	6) TAPS 1&2 Injection	4.011	137.052
2) WPCL	10.266	205.234	7) RGPPL Injection	21.090	394.714
3) Other CPP / IPP	6.056	130.952	8) Pench (Excess)	-0.075	-1.686
4) Wind Generation	31.179	431.552	# Total Cent. Sector	86.540	2035.252
5) PENCH (MS)	0.075	1.686	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.565	-249.669
1) TPCL Thermal	25.040	600.090	G) Bilateral Power *		
2) TPCL Hydro	0.040	79.361	1) MSEDCL Bilateral	26.144	571.787
TOTAL TPCL	25.080	679.451	Include PX	0.000	0.950
3) REL Thermal	12.615	274.807	2) MUMBAI Bilateral	11.484	292.530
D) STATE			Include PX	-0.210	10.914
1) Thermal (A1+C1+C3)	124.726	3029.835	3) MUMBAI Schedule	11.484	292.530
2) Hydro (A2+B5+C2)	7.349	262.371	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.088	214.815	1) MSEDCL	253.894	5707.372
4) Wind (B4)	31.179	431.552	2) TPCL	31.802	807.169
5) CPP (B1+B2+B3)	45.272	937.474	3) REL	16.456	396.722
TOTAL STATE	215.614	4876.047	TOTAL STATE	302.152	6911.263

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	3717	3222	3635
MSGENCO Hydro	688	883	45
MSGENCO Gas	291	290	294
MSGENCO Total Generation	4696	4395	3974
Central Sector Receipt	3864	3891	3311
WIND	1193	1247	1357
CPP / IPP	1918	1835	1894
Exchange with Mumbai	-503	-503	-320
MSEDCL DEMAND MET	11168	10886	10216
Load Shedding	605	368	202
MSEDCL DEMAND	11773	11254	10418
TPCL GENERATION	1126	1219	896
R-INFRA GENERATION	524	525	527
TPCL+R-INFRA DEMAND	2153	2247	1743
STATE DEMAND MET	13321	13133	11959
STATE DEMAND	13926	13501	12161
Frequency (Hz)	49.61	49.57	49.38

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 08.04 Hrs	48.8 Hz at 00.15 Hrs	49.57	8.68 % 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 22/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.96	56.92	144	104	130
Unit 6	3.01	48.48	140	100	130
Unit 7	3.43	76.63	155	130	145
Total	9.40	182.03			405
Bhusawal					
Unit 2	2.69	70.94	140	0	140
Unit 3	3.32	60.84	150	125	140
Unit 4	0.00	39.69	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	6.01	171.48			280
Parli					
Unit 3	3.14	48.46	158	109	134
Unit 4	3.32	70.23	175	100	103
Unit 5	3.46	73.12	163	115	131
Unit 6	4.10	40.35	195	136	181
Unit 7	0.00	40.36	0	0	0
Total	14.02	272.52			549
Chandrapur					
Unit 1	2.69	70.36	143	65	140
Unit 2	2.55	71.15	128	59	150
Unit 3	3.17	86.64	180	69	185
Unit 4	3.48	94.05	201	61	200
Unit 5	7.57	184.26	395	225	300
Unit 6	0.12	186.91	122	0	0
Unit 7	8.83	149.67	398	325	350
Total	28.41	843.04			1325
Paras					
Unit 3	3.80	26.28	184	122	120
Unit 4	3.83	64.39	173	144	125
Total	7.63	90.67			245
Khaparkheda					
Unit 1	3.00	93.02	195	65	180
Unit 2	0.00	0.00	0	0	0
Unit 3	4.26	100.97	200	148	190
Unit 4	4.73	103.47	213	178	200
Unit 5	0.00	75.02	0	0	0
Total	11.98	372.48			570
Nasik					
Unit 3	5.04	88.98	220	195	210
Unit 4	4.59	96.84	210	175	185
Unit 5	0.00	36.90	0	0	0
Total	9.63	222.73			395
Uran					
All Units	7.09	214.82	305	286	280
Total	7.09	214.82			280
PENCH (MS)					
Pench (MS)	0.08	1.69	24	0	
Total	0.08	1.69			
Koyna					
Stage 1-2	2.74	60.29	360	40	530
Stage 4	2.23	45.44	598	0	250
Stage 3	1.46	37.24	160	0	240
Kovna 12&4 Total	4.97	105.73			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.43	142.97			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	12.93	0	0	0
TILLARI	0.37	3.52	60	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.30	7.68	82	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.08	2.45	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	1.67	8	0	8
GHATGHAR	0.00	9.14	0	0	0
Total	0.80	38.35			88
Wind					
MalharPeth	1.40	23.33			
Vankuswadi	2.44	36.15			
ATIT	0.32	7.40			
Kale	0.99	12.49			
Satara	4.81	43.69			
Shirala	0.80	13.53			
K Mahankal	0.15	38.06			
Supa	0.43	5.94			
Vita	3.95	67.61			
Dondaicha	10.50	115.29			
Sakri	1.49	16.68			
Nandurbar	0.98	11.44			
Khandke	1.54	23.04			
Khaparale	1.39	16.90			
Total	31.18	431.55			
CPP					
JSW JAIGAD	28.95	601.29	1218	1185	1100
WARDHA	10.27	205.23	444	380	440
Other CPPs	6.06	130.95			
Total	45.27	937.47			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.77	238.97	503	444	500
Trombay 6	7.36	154.99	468	156	500
Trombay 7A	0.00	53.54	0	0	0
Trombay 7B	0.00	29.67	0	0	0
Trombay 8	5.91	122.93	248	244	250
TATA Hydro	0.04	79.36	20	0	447
Total	25.08	679.45			1697
REL					
1&2	12.62	274.81	529	523	500
Total	12.62	274.81			500
Cent Sect					
Share					4165
Total					4165

MS PG CL	Thermal	87.07	2154.94			3769
	Thml+Gas	94.16	2369.75			4049
	Hydro	7.23	181.32			1108
	Total	101.39	2551.08			5157
State Total		215.61	4876.05			13059

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	3961	163	292	4416	1156	1907	3932	3572	-46	-456	10595	157	10752	2067	12819	49.29
2	3891	125	292	4308	1366	1889	3883	3209	-137	-401	10371	181	10552	1913	12465	49.43
3	3880	103	292	4275	1325	1901	3794	3111	-491	-392	10220	190	10410	1806	12216	49.30
4	3770	45	293	4108	1335	1900	3672	3317	-491	-341	10319	196	10515	1755	12270	49.44
5	3635	45	294	3974	1357	1894	3665	3311	-491	-320	10216	202	10418	1743	12161	49.38
6	3715	45	293	4053	1316	1897	3663	3476	-491	-358	10384	285	10669	1798	12467	49.35
7	3770	145	300	4215	1371	1876	3679	3538	-491	-336	10664	625	11289	1778	13067	49.62
8	3851	45	301	4197	1258	1906	3744	3475	-452	-377	10459	728	11187	1798	12985	49.73
9	3897	101	299	4297	1288	1882	3778	3428	-469	-379	10516	817	11333	1872	13205	49.71
10	3813	136	289	4238	1187	1893	3779	3845	-465	-425	10738	615	11353	2008	13361	49.55
11	3782	678	295	4755	1233	1879	3819	3750	-557	-470	11147	526	11673	2117	13790	49.51
12	3717	688	291	4696	1193	1918	3834	3864	-595	-503	11168	605	11773	2153	13926	49.61
13	3719	418	286	4423	1346	1950	3815	3771	-597	-505	10985	685	11670	2154	13824	49.64
14	3663	227	290	4180	1254	1918	3799	3482	-577	-493	10341	608	10949	2082	13031	49.51
15	3633	355	291	4279	1278	1920	3751	3535	-528	-456	10556	517	11073	2048	13121	49.56
16	3603	294	296	4193	1323	1911	3725	3460	-511	-440	10447	572	11019	2018	13037	49.69
17	3581	138	301	4020	1423	1922	3697	3417	-455	-412	10370	622	10992	1990	12982	49.83
18	3512	54	304	3870	1359	1863	3700	3647	-455	-405	10334	279	10613	1987	12600	49.92
19	3435	89	305	3829	1444	1863	3852	4016	-474	-433	10719	222	10941	2049	12990	49.71
20	3356	460	298	4114	1553	1874	3991	3828	-503	-491	10878	380	11258	2206	13464	49.59
21	3222	883	290	4395	1247	1835	4088	3891	-551	-503	10886	368	11254	2247	13501	49.57
22	3182	1099	298	4579	1066	1835	4141	3871	-542	-520	10854	348	11202	2244	13446	49.61
23	3262	654	299	4215	1282	1809	4161	3888	-569	-583	10635	169	10804	2246	13050	49.59
24	3221	244	299	3764	1219	1830	4048	3838	-543	-566	10092	124	10216	2181	12397	49.48
MUs	87.07	7.23	7.09	101.39	31.18	45.27	92.01	86.54	-11.48	-10.56	253.89	10.02	263.92	48.26	312.18	49.57

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 22/Jul/2012

Position as on 6.30 Hrs of 23/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.	Capital overhaul.	23/07/2012
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Annual Overhaul.	23/07/2012
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	11/08/2012
Tata Trombay 7B	60	19/07/2012	21.00		Continued.	Boiler Recertification & Gas Path Inspection.	26/07/2012
Tata Trombay 7A	120	19/07/2012	22.30		Continued.	Boiler Recertification & Gas Path Inspection.	26/07/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
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
Dabhol 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Bhusawal Unit 4	500	18/07/2012	12.00		Continued.	Class A Protection operated	
Khaparkheda Unit 5	500	18/07/2012	21.02		Continued.	CHP Problem	24/07/2012
Uran Unit A0	120	20/07/2012	23.03		Continued.	Gas shortage.	
Uran Unit 5	108	20/07/2012	23.13		Continued.	Gas shortage.	
Cent_Sect Sipat U-1	660	22/07/2012	02.03		Continued.	Loss of fuel.	
Koyna Unit 3	75	22/07/2012	18.00		Continued.	Water cooler problem.	24/07/2012
Bhusawal Unit 2	210	22/07/2012	19.44	23/07/2012	00.05	Auxiliary supply failed.	
CPP JSW (J) U4	300	23/07/2012	04.00		Continued.	Condenser tube cleaning work.	24/07/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2012

Position as on 6.30 Hrs of 23/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	22/07/2012	08.50	22/07/2012	13.11	R.M.Work
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	18/07/2012	22.46		Continued.	Over Voltage
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Akola - Wardha - I	20/07/2012	12.51		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	19/07/2012	15.35		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.
400/220 KV 500 MVA ICT-I @ Jejuri	21/07/2012	12.38		Continued.	29 D isolator work (Taken on TBC).
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.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work.
Mulund - Bhandup (GIS)	22/07/2012	10.27	22/07/2012	12.50	Repl.of defective jumper.
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.
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	21/07/2012	17.11		Continued.	Over Voltage.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Pusad - Nanded	22/07/2012	17.55		Continued.	Y-Ph CT cable burnt,H/T from Pusad end.
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
C'pur-Parli II	22/07/2012	02.00		Continued.	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Kalmeshwar-Nippon	22/07/2012	20.56	22/07/2012	23.21	Dist.Protection.(Ckt charged on TBC).
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal-Sawda	22/07/2012	19.42		Continued.	Dist.Protection operated,Z-I,R-Ph.
132/7 KV,31.5 MVA Station T/F - II at	22/07/2012	19.43	22/07/2012	21.38	Diff.protection.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2012

Position as on 6.30 Hrs of 23/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - I					
Parli-Talegaon	22/07/2012	20.10	22/07/2012	20.20	Dist.Protection operated,Z-I,Y-Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	90
Unit 7	210	145
	620	365
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	0
Unit 5	500	0
	1420	280
Parli		
Unit 3	210	140
Unit 4	210	150
Unit 5	210	140
Unit 6	250	170
Unit 7	250	0
	1130	600
Chandrapur		
Unit 1	210	90
Unit 2	210	50
Unit 3	210	60
Unit 4	210	80
Unit 5	500	200
Unit 6	500	0
Unit 7	500	350
	2340	830
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	120
Unit 2	210	0
Unit 3	210	150
Unit 4	210	200
Unit 5	500	0
	1340	470
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	0
	630	384
Uran		
All Units	852	290
	852	290
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	470
Stage 4	1000	250
Stage 3	320	240
	1920	960
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	182
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	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4642
	3455	4642