



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jul/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.789	2067.867	1) Gujrat	-0.724	-12.466
2) Hydro	7.798	174.090	2) Madhya Pradesh	10.987	300.864
3) Gas	6.973	207.727	3) Chattisgarh	11.480	234.960
Total MSGENCO	115.560	2449.684	4) Maharashtra	45.309	1043.795
B) OTHERS			5) Goa	-5.337	-123.495
1) JSW JAIGAD	28.917	572.338	6) TAPS 1&2 Injection	3.802	133.041
2) WPCL	10.718	194.968	7) RGPPL Injection	16.893	373.624
3) Other CPP / IPP	5.883	124.896	8) Pench (Excess)	-0.073	-1.611
4) Wind Generation	27.508	400.373	# Total Cent. Sector	82.337	1948.712
5) PENCH (MS)	0.073	1.611	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.366	-239.104
1) TPCL Thermal	27.703	575.050	G) Bilateral Power *		
2) TPCL Hydro	3.645	79.321	1) MSEDCL Bilateral	28.652	545.644
TOTAL TPCL	31.348	654.371	Include PX	0.000	0.950
3) REL Thermal	12.607	262.192	2) MUMBAI Bilateral	14.117	281.046
D) STATE			Include PX	0.276	11.123
1) Thermal (A1+C1+C3)	141.099	2905.109	3) MUMBAI Schedule	14.117	281.046
2) Hydro (A2+B5+C2)	11.516	255.022	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.973	207.727	1) MSEDCL	259.630	5453.478
4) Wind (B4)	27.508	400.373	2) TPCL	37.052	775.367
5) CPP (B1+B2+B3)	45.518	892.202	3) REL	18.266	380.266
TOTAL STATE	232.614	4660.433	TOTAL STATE	314.948	6609.111

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4320	4184	4018
MSGENCO Hydro	762	793	79
MSGENCO Gas	292	285	292
MSGENCO Total Generation	5374	5262	4389
Central Sector Receipt	3448	4032	2742
WIND	1103	1240	1160
CPP / IPP	1900	1890	1904
Exchange with Mumbai	-803	-571	-225
MSEDCL DEMAND MET	11022	11875	9970
Load Shedding	609	486	236
MSEDCL DEMAND	11631	12361	10206
TPCL GENERATION	1488	1466	923
R-INFRA GENERATION	524	525	523
TPCL+R-INFRA DEMAND	2815	2562	1671
STATE DEMAND MET	13837	14437	11641
STATE DEMAND	14446	14923	11877
Frequency (Hz)	49.54	49.47	49.37

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.08 Hz at 14.04 Hrs	48.81 Hz at 06.23 Hrs	49.43	15.52 % 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 21/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.76	53.96	134	88	90
Unit 6	3.25	45.47	150	110	120
Unit 7	3.22	73.20	150	105	145
Total	9.22	172.63			355
Bhusawal					
Unit 2	3.18	68.26	145	120	140
Unit 3	3.15	57.52	145	120	140
Unit 4	0.00	39.69	0	0	
Unit 5	0.00	0.00	0	0	
Total	6.33	165.46			280
Parli					
Unit 3	3.05	45.32	149	92	140
Unit 4	3.73	66.91	180	129	150
Unit 5	3.52	69.66	163	129	150
Unit 6	4.74	36.25	217	178	210
Unit 7	0.00	40.36	0	0	0
Total	15.03	258.50			650
Chandrapur					
Unit 1	2.91	67.67	142	88	110
Unit 2	2.78	68.60	137	84	130
Unit 3	3.90	83.47	185	130	140
Unit 4	4.08	90.57	196	131	150
Unit 5	9.12	176.68	415	350	350
Unit 6	8.70	186.79	445	191	400
Unit 7	9.62	140.84	438	335	325
Total	41.10	814.63			1605
Paras					
Unit 3	3.42	22.48	184	113	170
Unit 4	3.89	60.56	207	133	170
Total	7.31	83.04			340
Khaparkheda					
Unit 1	4.07	90.03	195	150	180
Unit 2	0.00	0.00	0	0	0
Unit 3	4.51	96.71	218	168	180
Unit 4	4.26	98.74	192	163	180
Unit 5	0.00	75.02	0	0	0
Total	12.84	360.50			540
Nasik					
Unit 3	4.95	83.95	215	195	210
Unit 4	4.00	92.25	180	154	175
Unit 5	0.00	36.90	0	0	0
Total	8.95	213.10			385
Uran					
All Units	6.97	207.73	304	278	280
Total	6.97	207.73			280
PENCH (MS)					
Pench (MS)	0.07	1.61	23	0	
Total	0.07	1.61			
Koyna					
Stage 1-2	3.08	57.54	330	40	530
Stage 4	1.03	43.22	248	0	250
Stage 3	1.59	35.78	160	0	240
Kovna 12&4 Total	4.12	100.76			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.71	136.54			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.26	12.93	61	0	0
TILLARI	0.50	3.15	60	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.44	7.38	80	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.08	2.38	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	1.61	8	0	15
GHATGHAR	0.76	9.14	125	0	0
Total	2.09	37.55			95
Wind					
MalharPeth	1.34	21.93			
Vankuswadi	1.99	33.72			
ATIT	0.32	7.08			
Kale	0.92	11.50			
Satara	0.59	38.88			
Shirala	0.77	12.74			
K Mahankal	3.89	37.91			
Supa	0.13	5.51			
Vita	3.68	63.66			
Dondaicha	9.53	104.79			
Sakri	1.19	15.19			
Nandurbar	0.92	10.46			
Khandke	1.03	21.50			
Khaparale	1.21	15.51			
Total	27.51	400.37			
CPP					
JSW JAIGAD	28.92	572.34	1219	1124	1100
WARDHA	10.72	194.97	452	441	445
Other CPPs	5.88	124.90			
Total	45.52	892.20			1545
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.85	227.20	503	472	500
Trombay 6	9.94	147.63	504	185	500
Trombay 7A	0.00	53.54	0	0	0
Trombay 7B	0.00	29.67	0	0	0
Trombay 8	5.92	117.02	249	244	250
TATA Hydro	3.64	79.32	342	0	447
Total	31.35	654.37			1697
REL					
1&2	12.61	262.19	527	523	500
Total	12.61	262.19			500
Cent Sect					
Share					4048
Total					4048

MS PG CL	Thermal	100.79	2067.87			4155
	Thml+Gas	107.76	2275.59			4435
	Hydro	7.80	174.09			1115
	Total	115.56	2449.68			5550
State Total		232.61	4660.43			13340

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4152	267	296	4715	1148	1916	3466	3140	-472	-427	10492	177	10669	2013	12682	49.55
2	4135	40	292	4467	1155	1913	3379	2973	-383	-298	10210	222	10432	1829	12261	49.33
3	4067	70	292	4429	1145	1897	3345	2936	-331	-256	10151	229	10380	1735	12115	49.37
4	4018	79	292	4389	1160	1904	3354	2742	-313	-225	9970	236	10206	1671	11877	49.37
5	4031	60	292	4383	1167	1914	3352	2984	-312	-228	10220	243	10463	1663	12126	49.50
6	4018	90	287	4395	1260	1925	3367	3105	-319	-190	10495	334	10829	1724	12553	49.31
7	4225	55	289	4569	1166	1914	3422	3015	-333	-242	10422	666	11088	1784	12872	49.36
8	4285	40	304	4629	1173	1914	3395	3027	-406	-300	10443	741	11184	1913	13097	49.62
9	4265	151	293	4709	1227	1920	3408	3064	-440	-384	10536	855	11391	2159	13550	49.46
10	4344	552	294	5190	1216	1917	3460	3211	-536	-446	11088	614	11702	2497	14199	49.42
11	4307	810	292	5409	1169	1916	3650	3297	-773	-629	11162	554	11716	2720	14436	49.29
12	4320	762	292	5374	1103	1900	3805	3448	-938	-803	11022	609	11631	2815	14446	49.54
13	4267	671	283	5221	1045	1795	3821	3690	-926	-779	10972	692	11664	2811	14475	49.61
14	4331	659	278	5268	1031	1845	3794	3536	-827	-646	11034	592	11626	2681	14307	49.45
15	4272	431	280	4983	1039	1875	3975	3739	-820	-644	10992	504	11496	2694	14190	49.39
16	4376	275	283	4934	916	1882	4035	3829	-801	-605	10956	613	11569	2668	14237	49.22
17	4365	150	296	4811	1145	1878	4043	3533	-778	-586	10781	670	11451	2635	14086	49.31
18	4227	80	288	4595	1074	1886	3893	3420	-580	-466	10509	624	11133	2583	13716	49.56
19	4175	146	300	4621	1063	1891	4038	3881	-568	-435	11021	414	11435	2522	13957	49.48
20	4146	717	285	5148	1096	1873	4173	4036	-665	-479	11674	505	12179	2559	14738	49.29
21	4184	793	285	5262	1240	1890	4226	4032	-658	-571	11875	486	12361	2562	14923	49.47
22	4138	408	295	4841	1230	1916	4246	4017	-646	-594	11433	424	11857	2492	14349	49.53
23	4081	187	285	4553	1444	1918	4183	3918	-663	-575	11281	214	11495	2358	13853	49.40
24	4063	305	300	4668	1096	1919	4037	3764	-626	-558	10894	155	11049	2233	13282	49.45
MUs	100.79	7.80	6.97	115.56	27.51	45.52	89.87	82.34	-14.12	-11.37	259.63	11.37	271.01	55.32	326.33	49.43

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 21/Jul/2012

Position as on 6.30 Hrs of 22/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
Dabhol 1A	230	19/07/2012	09.01	21/07/2012	12.30	Oil leakage in CTG.	
Uran Unit A0	120	20/07/2012	23.03		Continued.	Gas shortage.	
Uran Unit 5	108	20/07/2012	23.13		Continued.	Gas shortage.	
Koyna ST - IV 4	250	21/07/2012	09.00	21/07/2012	16.00	Preventive maint.work	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2012

Position as on 6.30 Hrs of 22/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.
Babaleshwar - Dhule - I	21/07/2012	09.33	21/07/2012	15.45	Maint.of PG mechanism box.
400/220 KV 500 MVA ICT-I @ Jejuri	21/07/2012	12.38		Continued.	29 D isolator work (Taken on TBC).
TBC at 400KV Aurangabad	21/07/2012	14.30	21/07/2012	19.00	For DEMO DCRM Kit.
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.
Lamboti-Solapur-II	18/07/2012	08.14	21/07/2012	06.32	Replacement of Conductor
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work.
Kurkumb-Bhigwan	21/07/2012	09.20	21/07/2012	20.15	Repl.of faulty disc insulator.
Magarpatta - Sirum	21/07/2012	09.32	21/07/2012	17.55	Half yearly maint.work.(Taken on TBC.)
220/132 KV 200 MVA ICT - I @ Babaleshwar	21/07/2012	09.50	21/07/2012	13.02	Q.M.Work.
220/132 KV,200 MVA ICT-I at Ahamadnagar	21/07/2012	10.00	21/07/2012	16.44	CT tan delta measurement work.
Main Bus & Line at Fiat	21/07/2012	10.30	21/07/2012	17.49	Testing and commissioning of remote scada.
220/66 KV 150 MVA ICT- I @ Gadchandur	21/07/2012	10.50	21/07/2012	15.34	Repl.of CT and Q.M.Work.
Ghodbandar - Bhoisor (MSETCL)	21/07/2012	11.08	21/07/2012	13.48	Repl.of faulty insulator string.
Kaparkheda-Kalmeshwar	21/07/2012	12.02	21/07/2012	17.31	A/R scheme commissioning work.
220/132 KV 200 MVA ICT - III @ Bale	21/07/2012	14.50	21/07/2012	18.02	Bus Bar protection pannel 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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2012

Position as on 6.30 Hrs of 22/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad - Kolhapur - II	20/07/2012	16.38	21/07/2012	09.21	Over Voltage.
Lonikand- Koyna Stage IV	21/07/2012	04.04	21/07/2012	06.53	Over Voltage.
Babaleshwar - Dhule - I	21/07/2012	15.58	21/07/2012	16.12	R-Ph PT isolator sparking at Dhule end.
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 Bhusawal - I	22/07/2012	19.43	22/07/2012	21.38	Diff.protection.
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 22/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	130
Unit 7	210	145
	620	405
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	0
Unit 5	500	0
	1420	280
Parli		
Unit 3	210	134
Unit 4	210	103
Unit 5	210	131
Unit 6	250	181
Unit 7	250	0
	1130	549
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	185
Unit 4	210	200
Unit 5	500	300
Unit 6	500	0
Unit 7	500	350
	2340	1325
Paras		
Unit 3	250	120
Unit 4	250	125
	500	245
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	0
	1340	570
Nasik		
Unit 3	210	210
Unit 4	210	185
Unit 5	210	0
	630	395
Uran		
All Units	852	280
	852	280
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	0

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	88
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	4165
	3455	4165