



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jul/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.087	1967.078	1) Gujrat	-3.740	-11.742
2) Hydro	5.297	166.292	2) Madhya Pradesh	12.818	289.877
3) Gas	10.259	200.754	3) Chattisgarh	11.790	223.480
Total MSGENCO	111.643	2334.124	4) Maharashtra	44.430	998.486
B) OTHERS			5) Goa	-5.438	-118.158
1) JSW JAIGAD	28.576	543.421	6) TAPS 1&2 Injection	3.057	129.239
2) WPCL	9.888	184.250	7) RGPPL Injection	14.016	356.731
3) Other CPP / IPP	6.469	119.013	8) Pench (Excess)	-0.082	-1.538
4) Wind Generation	28.709	372.865	# Total Cent. Sector	76.851	1866.375
5) PENCH (MS)	0.082	1.538	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.451	-227.738
1) TPCL Thermal	27.565	547.347	G) Bilateral Power *		
2) TPCL Hydro	4.195	75.676	1) MSEDCL Bilateral	26.871	515.175
TOTAL TPCL	31.760	623.023	Include PX	0.000	0.950
3) REL Thermal	12.588	249.585	2) MUMBAI Bilateral	15.352	267.716
D) STATE			Include PX	2.340	11.828
1) Thermal (A1+C1+C3)	136.240	2764.010	3) MUMBAI Schedule	15.352	267.716
2) Hydro (A2+B5+C2)	9.574	243.506	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.259	200.754	1) MSEDCL	249.767	5193.848
4) Wind (B4)	28.709	372.865	2) TPCL	38.255	738.315
5) CPP (B1+B2+B3)	44.933	846.684	3) REL	18.542	362.000
TOTAL STATE	229.715	4427.819	TOTAL STATE	306.564	6294.163

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4109	4020	3996
MSGENCO Hydro	396	475	40
MSGENCO Gas	423	446	432
MSGENCO Total Generation	4928	4941	4468
Central Sector Receipt	3536	3649	2745
WIND	1067	1282	1106
CPP / IPP	1825	1928	1831
Exchange with Mumbai	-819	-543	-198
MSEDCL DEMAND MET	10537	11262	9952
Load Shedding	582	516	227
MSEDCL DEMAND	11119	11778	10179
TPCL GENERATION	1590	1581	909
R-INFRA GENERATION	524	523	525
TPCL+R-INFRA DEMAND	2933	2647	1632
STATE DEMAND MET	13470	13909	11584
STATE DEMAND	14052	14425	11811
Frequency (Hz)	49.46	49.22	49.43

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50 Hz at 08.04 Hrs	48.8 Hz at 16.42 Hrs	49.37	24.51 % 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 20/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.17	51.21	100	77	95
Unit 6	3.25	42.22	147	126	140
Unit 7	3.08	69.98	150	105	140
Total	8.51	163.41			375
Bhusawal					
Unit 2	3.17	65.08	150	105	140
Unit 3	3.28	54.37	145	120	140
Unit 4	0.00	39.69	0	0	
Unit 5	0.00	0.00	0	0	
Total	6.45	159.14			280
Parli					
Unit 3	3.26	42.27	146	129	140
Unit 4	3.74	63.18	172	135	135
Unit 5	3.24	66.14	155	112	150
Unit 6	1.45	31.52	200	0	0
Unit 7	0.00	40.36	0	0	0
Total	11.69	243.47			425
Chandrapur					
Unit 1	2.93	64.76	144	92	150
Unit 2	3.01	65.82	145	94	150
Unit 3	3.57	79.57	178	114	180
Unit 4	3.90	86.49	195	126	200
Unit 5	7.80	167.57	385	270	400
Unit 6	9.28	178.10	435	335	375
Unit 7	8.89	131.23	425	327	375
Total	39.36	773.53			1830
Paras					
Unit 3	3.50	19.06	189	108	160
Unit 4	3.79	56.67	206	83	180
Total	7.29	75.73			340
Khaparkheda					
Unit 1	4.41	85.96	210	145	210
Unit 2	0.00	0.00	0	0	0
Unit 3	3.78	92.20	180	143	210
Unit 4	5.04	94.48	217	186	210
Unit 5	0.00	75.02	0	0	0
Total	13.23	347.66			630
Nasik					
Unit 3	5.05	79.00	220	200	192
Unit 4	4.50	88.25	203	163	182
Unit 5	0.00	36.90	0	0	0
Total	9.55	204.15			374
Uran					
All Units	10.26	200.75	446	334	430
Total	10.26	200.75			430
PENCH (MS)					
Pench (MS)	0.08	1.54	25	0	
Total	0.08	1.54			
Koyna					
Stage 1-2	1.76	54.46	245	40	530
Stage 4	0.00	42.18	0	0	250
Stage 3	2.03	34.19	160	0	240
Kovna 12&4 Total	1.76	96.64			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.79	130.83			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	12.67	0	0	0
TILLARI	0.28	2.65	57	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.45	6.95	82	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.13	2.30	34	0	7
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	1.55	8	0	10
GHATGHAR	0.59	8.38	125	0	0
Total	1.51	35.46			97
Wind					
MalharPeth	1.51	20.59			
Vankuswadi	2.60	31.72			
ATIT	0.34	6.76			
Kale	0.88	10.58			
Satara	0.62	38.29			
Shirala	0.78	11.97			
K Mahankal	4.39	34.02			
Supa	0.35	5.38			
Vita	3.73	59.98			
Dondaicha	8.83	95.26			
Sakri	1.15	14.00			
Nandurbar	0.86	9.54			
Khandke	1.41	20.46			
Khaparale	1.24	14.30			
Total	28.71	372.86			
CPP					
JSW JAIGAD	28.58	543.42	1210	1117	1100
WARDHA	9.89	184.25	444	368	435
Other CPPs	6.47	119.01			
Total	44.93	846.68			1535
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.03	215.35	506	493	500
Trombay 6	9.63	137.69	504	163	500
Trombay 7A	0.00	53.54	0	0	0
Trombay 7B	0.00	29.67	0	0	0
Trombay 8	5.90	111.10	249	244	250
TATA Hydro	4.20	75.68	354	0	447
Total	31.76	623.02			1697
REL					
1&2	12.59	249.58	527	519	500
Total	12.59	249.58			500
Cent Sect					
Share					4115
Total					4115

MS PG CL	Thermal	96.09	1967.08			4254
	Thml+Gas	106.35	2167.83			4684
	Hydro	5.30	166.29			1117
	Total	111.64	2334.12			5801
State Total		229.72	4427.82			13648

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4003	45	432	4480	1188	1791	3642	3078	-380	-351	10186	162	10348	1974	12322	49.48
2	4034	40	431	4505	1126	1795	3558	2946	-292	-261	10111	200	10311	1801	12112	49.53
3	3981	45	432	4458	1214	1820	3521	2940	-254	-206	10226	215	10441	1692	12133	49.41
4	3968	40	432	4440	1190	1796	3510	2822	-238	-206	10042	220	10262	1645	11907	49.60
5	3996	40	432	4468	1106	1831	3520	2745	-243	-198	9952	227	10179	1632	11811	49.43
6	4002	45	436	4483	1237	1860	3534	3168	-270	-201	10547	334	10881	1724	12605	49.40
7	3920	50	430	4400	1162	1860	3591	3252	-318	-276	10398	656	11054	1847	12901	49.50
8	3995	195	445	4635	1180	1859	3668	3132	-404	-315	10491	675	11166	2004	13170	49.56
9	3984	297	433	4714	1284	1859	3732	3193	-473	-451	10599	721	11320	2305	13625	49.65
10	3963	412	442	4817	1286	1832	3798	3497	-573	-551	10881	511	11392	2645	14037	49.48
11	4058	377	437	4872	1000	1808	4055	3721	-880	-803	10598	458	11056	2871	13927	49.40
12	4109	396	423	4928	1067	1825	4076	3536	-962	-819	10537	582	11119	2933	14052	49.46
13	3975	307	421	4703	1170	1875	4053	3112	-938	-809	10051	674	10725	2905	13630	49.44
14	3936	210	429	4575	1166	1918	4007	3169	-913	-729	10099	577	10676	2770	13446	49.22
15	3943	200	432	4575	1101	1916	3922	3281	-918	-805	10068	478	10546	2825	13371	49.43
16	3908	138	433	4479	1218	1917	3918	3259	-923	-775	10098	422	10520	2814	13334	49.16
17	3926	40	419	4385	1374	1922	3941	3124	-913	-768	10037	435	10472	2794	13266	49.36
18	3996	48	432	4476	1285	1903	3913	2737	-854	-734	9667	452	10119	2725	12844	49.27
19	3951	83	432	4466	1243	1916	3824	3010	-678	-554	10081	370	10451	2671	13122	49.27
20	4020	475	446	4941	1282	1928	3829	3649	-669	-543	11262	516	11778	2647	14425	49.22
21	4044	512	425	4981	1208	1930	3867	3526	-652	-477	11193	491	11684	2563	14247	49.15
22	4108	415	426	4949	1096	1930	3745	3323	-637	-551	10772	468	11240	2472	13712	49.08
23	4142	371	425	4938	1321	1930	3668	3409	-618	-543	11080	202	11282	2342	13624	49.10
24	4122	516	334	4972	1205	1912	3536	3221	-564	-525	10787	149	10936	2198	13134	49.23
MUs	96.08	5.30	10.26	111.64	28.71	44.93	90.43	76.85	-14.57	-12.45	249.76	10.20	259.96	56.80	316.76	49.37

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 20/Jul/2012

Position as on 6.30 Hrs of 21/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.	19/07/2012
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
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.	
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.	
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	
Parli Unit 7	250	16/07/2012	18.15		Continued.	Coal shortage and Watercrisis.	
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refilling work.	
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	
Dabhol 1A	230	19/07/2012	09.01		Continued.	Oil leakage in CTG.	
Parli Unit 6	250	19/07/2012	23.42	20/07/2012	14.10	Furance pressure high.	
Uran Unit A0	120	20/07/2012	23.03		Continued.	Gas shortage.	
Uran Unit 5	108	20/07/2012	23.13		Continued.	Gas shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2012

Position as on 6.30 Hrs of 21/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
Kolhapur-Mapusa-II	18/07/2012	22.46		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.
Khaparkheda - Chandrapur	20/07/2012	09.20	20/07/2012	19.02	Measurement of C.T.tan delta and R.M.Work.
TBC @ Kharghar	20/07/2012	09.55	20/07/2012	19.17	Repl.of rotary insulator for R-Ph & Y-Ph C-isolator alignment of C-isolator.
400/220KV,500 MVA ICT-III At A'bad.	20/07/2012	10.17	20/07/2012	18.08	Maintenance and PRS work.
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.
220/22 KV 50 MVA T/F - I @ Kalwa	20/07/2012	06.25	20/07/2012	15.25	Creak side bus outage.
220/100KV 200MVA ICT-I at Kalwa	20/07/2012	06.27	20/07/2012	15.07	Creak side bus outage.
220/100KV 200MVA ICT-II at Kalwa	20/07/2012	06.28	20/07/2012	15.13	Creak side bus outage.
Kalwa-Airoli-Knowledge park	20/07/2012	06.32	20/07/2012	14.51	Creak side bus outage.
Inter Connector @ Kalwa	20/07/2012	06.35	20/07/2012	14.47	Creak side bus outage.
220 KV Interconnector Alongwith 220KV Creek side Bus @ Kalwa	20/07/2012	06.38	20/07/2012	14.39	Replacement of damaged R ph. main bus jumper creak side bus.
Kamba - Kolshet	20/07/2012	08.45	20/07/2012	18.38	Shifting of one conductor of highway crossing span between gantry to loc.no 135 on other side to tower.
Newkoyna -Lote-Parsuram	20/07/2012	10.05	20/07/2012	15.13	Maint.work.
220/110 KV 200 MVA ICT - I @ Kolhapur	20/07/2012	10.30	20/07/2012	12.36	Q.M.Work.
SPCL - IPCL	20/07/2012	10.35	20/07/2012	13.58	To attend hot spot.
Aurangabad-Padegaon CKT-II	20/07/2012	10.46	20/07/2012	16.48	Tand delta measurement and maint.Ckt.on TBC
Malegaon - Satana - II	20/07/2012	14.20	20/07/2012	16.27	Tan delta testing of C.T.
Malegaon - Satana - I	20/07/2012	16.30	20/07/2012	19.14	Tan delta testing of C.T.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Padegaon-Pishor	20/07/2012	08.00	20/07/2012	18.20	Stringing work of conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2012

Position as on 6.30 Hrs of 21/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 at 09.15 Hrs on dated 28/06/2012 for Replacing Broken Line Spacer & Fixing Repair Siecre for Broken Conductor.Line Ready for Charging from 14.42 Hrs on dated 28/06/2012).
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	20/07/2012	16.38		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	21/07/2012	04.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
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
Karad - Kolhapur - II	19/07/2012	20.05	20/07/2012	10.19	Over Voltage.
Jejuri-Koyna STG-IV	19/07/2012	21.46	20/07/2012	13.43	Distance Protection.
Karad-Jaigad II	19/07/2012	23.14	20/07/2012	07.25	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/22KV 50MVA T/F-I at Mulund	18/07/2012	21.05		Continued.	LV Side B Pole Breaker Burst
220/33 KV 50 MVA T/F - I @ Murud	19/07/2012	06.41		Continued.	HV side B Phase CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	90
Unit 6	210	120
Unit 7	210	145
	620	355
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	
Unit 5	500	
	1420	280
Parli		
Unit 3	210	140
Unit 4	210	150
Unit 5	210	150
Unit 6	250	210
Unit 7	250	0
	1130	650
Chandrapur		
Unit 1	210	110
Unit 2	210	130
Unit 3	210	140
Unit 4	210	150
Unit 5	500	350
Unit 6	500	400
Unit 7	500	325
	2340	1605
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	180
Unit 4	210	180
Unit 5	500	0
	1340	540
Nasik		
Unit 3	210	210
Unit 4	210	175
Unit 5	210	0
	630	385
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	15
GHATGHAR	250	0
	611	95
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	445
Other CPPs	0	
	1005	1545
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	4048
	3455	4048