



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Jul/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.778	1870.991	1) Gujrat	-0.156	-8.002
2) Hydro	4.761	160.995	2) Madhya Pradesh	14.379	277.059
3) Gas	10.640	190.495	3) Chattisgarh	11.120	211.690
Total MSGENCO	109.179	2222.481	4) Maharashtra	48.320	954.056
B) OTHERS			5) Goa	-5.958	-112.720
1) JSW JAIGAD	22.183	514.845	6) TAPS 1&2 Injection	1.944	126.182
2) WPCL	10.405	174.362	7) RGPPL Injection	16.104	342.715
3) Other CPP / IPP	5.696	112.544	8) Pench (Excess)	-0.072	-1.456
4) Wind Generation	31.280	344.156	# Total Cent. Sector	85.681	1789.524
5) PENCH (MS)	0.072	1.456	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.709	-215.287
1) TPCL Thermal	30.152	519.782	G) Bilateral Power *		
2) TPCL Hydro	3.839	71.481	1) MSEDCL Bilateral	27.566	488.303
TOTAL TPCL	33.991	591.263	Include PX	0.000	0.950
3) REL Thermal	12.535	236.997	2) MUMBAI Bilateral	13.251	252.364
D) STATE			Include PX	0.147	9.488
1) Thermal (A1+C1+C3)	136.465	2627.770	3) MUMBAI Schedule	13.251	252.364
2) Hydro (A2+B5+C2)	8.672	233.932	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.640	190.495	1) MSEDCL	254.787	4944.081
4) Wind (B4)	31.280	344.156	2) TPCL	37.851	700.060
5) CPP (B1+B2+B3)	38.284	801.751	3) REL	18.383	343.458
TOTAL STATE	225.341	4198.104	TOTAL STATE	311.021	5987.599

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3856	4047	3828
MSGENCO Hydro	509	328	41
MSGENCO Gas	445	440	443
MSGENCO Total Generation	4810	4815	4312
Central Sector Receipt	3995	3859	3150
WIND	1257	1357	1369
CPP / IPP	1590	1612	1564
Exchange with Mumbai	-443	-435	-185
MSEDCL DEMAND MET	11209	11233	10210
Load Shedding	577	418	204
MSEDCL DEMAND	11786	11651	10414
TPCL GENERATION	1646	1583	936
R-INFRA GENERATION	525	514	525
TPCL+R-INFRA DEMAND	2614	2532	1646
STATE DEMAND MET	13823	13765	11856
STATE DEMAND	14400	14183	12060
Frequency (Hz)	49.61	49.57	49.64

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.07 Hz at 08.05 Hrs	48.84 Hz at 18.08 Hrs	49.55	4.93 % 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 19/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.37	49.04	125	82	95
Unit 6	3.18	38.97	169	110	115
Unit 7	3.29	66.89	160	115	130
Total	8.83	154.90			340
Bhusawal					
Unit 2	2.78	61.90	145	0	0
Unit 3	3.22	51.09	150	125	150
Unit 4	0.00	39.69	0	0	
Unit 5	0.00	0.00	0	0	
Total	6.00	152.68			150
Parli					
Unit 3	1.74	39.00	146	0	0
Unit 4	3.41	59.44	160	123	150
Unit 5	3.18	62.91	143	120	145
Unit 6	4.93	30.06	229	112	200
Unit 7	0.00	40.36	0	0	0
Total	13.26	231.77			495
Chandrapur					
Unit 1	2.97	61.83	144	109	125
Unit 2	2.88	62.82	132	96	140
Unit 3	3.76	76.00	185	127	180
Unit 4	4.02	82.59	200	134	200
Unit 5	6.80	159.77	350	210	300
Unit 6	7.22	168.82	380	230	250
Unit 7	6.75	122.34	345	228	250
Total	34.40	734.17			1445
Paras					
Unit 3	4.12	15.56	201	154	180
Unit 4	4.39	52.88	210	128	200
Total	8.51	68.44			380
Khaparkheda					
Unit 1	3.94	81.55	210	140	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.39	88.42	200	164	210
Unit 4	4.81	89.43	210	188	210
Unit 5	0.00	75.02	0	0	0
Total	13.14	334.43			610
Nasik					
Unit 3	4.98	73.95	220	195	210
Unit 4	4.65	83.75	201	185	200
Unit 5	0.00	36.90	0	0	0
Total	9.63	194.60			410
Uran					
All Units	10.64	190.50	465	422	430
Total	10.64	190.50			430
PENCH (MS)					
Pench (MS)	0.07	1.46	25	0	
Total	0.07	1.46			
Koyna					
Stage 1-2	1.62	52.70	215	40	530
Stage 4	0.00	42.18	0	0	250
Stage 3	1.35	32.16	230	0	240
Kovna 12&4 Total	1.62	94.88			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.97	127.05			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.35	12.67	61	0	0
TILLARI	0.23	2.37	60	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.46	6.50	80	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.40	2.16	38	0	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	1.49	10	1	8
GHATGHAR	0.26	7.79	125	0	
Total	1.79	33.95			102
Wind					
MalharPeth	1.52	19.08			
Vankuswadi	2.48	29.12			
ATIT	0.40	6.41			
Kale	1.03	9.70			
Satara	0.83	37.67			
Shirala	0.80	11.19			
K Mahankal	5.01	29.63			
Supa	0.40	5.03			
Vita	4.63	56.25			
Dondaicha	8.87	86.43			
Sakri	1.23	12.85			
Nandurbar	0.86	8.67			
Khandke	1.77	19.05			
Khaparale	1.45	13.07			
Total	31.28	344.16			
CPP					
JSW JAIGAD	22.18	514.84	1112	900	825
WARDHA	10.40	174.36	448	349	451
Other CPPs	5.70	112.54			
Total	38.28	801.75			1276
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.17	203.32	506	307	500
Trombay 6	8.98	128.06	504	156	500
Trombay 7A	2.68	53.54	124	0	120
Trombay 7B	1.37	29.67	67	0	60
Trombay 8	5.95	105.20	249	246	250
TATA Hydro	3.84	71.48	314	18	447
Total	33.99	591.26			1877
REL					
1&2	12.54	237.00	529	514	500
Total	12.54	237.00			500
Cent Sect					
Share					4158
Total					4158

MS PG CL	Thermal	93.78	1870.99			3830
	Thml+Gas	104.42	2061.49			4260
	Hydro	4.76	161.00			1122
	Total	109.18	2222.48			5382
State Total		225.34	4198.10			13193

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	3742	92	455	4289	1411	1544	3938	3657	-497	-271	10630	151	10781	1926	12707	49.58
2	3762	75	446	4283	1231	1547	3991	3526	-419	-212	10375	185	10560	1777	12337	49.50
3	3843	61	445	4349	1322	1562	3947	3378	-374	-180	10431	198	10629	1692	12321	49.55
4	3828	41	443	4312	1369	1564	3938	3150	-346	-185	10210	204	10414	1646	12060	49.64
5	3825	51	443	4319	1343	1572	3949	3205	-362	-182	10257	210	10467	1625	12092	49.54
6	3868	66	447	4381	1163	1573	3929	3678	-346	-238	10557	310	10867	1723	12590	49.47
7	3769	79	450	4298	1075	1581	4168	3682	-492	-317	10319	694	11013	1839	12852	49.67
8	3772	141	449	4362	1107	1589	4157	3776	-481	-328	10506	724	11230	1995	13225	49.64
9	3870	204	445	4519	1187	1594	4198	3950	-534	-383	10867	796	11663	2266	13929	49.76
10	3856	509	445	4810	1257	1590	4024	3995	-594	-443	11209	577	11786	2614	14400	49.61
11	3795	643	457	4895	1057	1577	4079	3932	-608	-526	10935	521	11456	2793	14249	49.61
12	3818	507	465	4790	1320	1579	4151	3709	-642	-588	10810	584	11394	2843	14237	49.62
13	3897	389	465	4751	1455	1583	4126	3304	-620	-564	10529	652	11181	2835	14016	49.56
14	3986	258	426	4670	1459	1583	4062	3225	-604	-506	10431	563	10994	2762	13756	49.56
15	4037	196	448	4681	1343	1585	4061	3269	-604	-529	10349	457	10806	2804	13610	49.57
16	3970	193	425	4588	1347	1580	4047	3450	-608	-529	10436	412	10848	2791	13639	49.38
17	3918	51	433	4402	1571	1581	4030	3422	-597	-539	10437	428	10865	2793	13658	49.52
18	3931	43	433	4407	1243	1587	3968	3379	-589	-497	10119	415	10534	2736	13270	49.52
19	3960	119	422	4501	1449	1589	3986	3235	-562	-382	10392	308	10700	2639	13339	49.31
20	3964	375	442	4781	1363	1593	4104	3700	-617	-439	11010	425	11435	2642	14077	49.47
21	4047	328	440	4815	1357	1612	4157	3859	-677	-435	11233	418	11651	2532	14183	49.57
22	4109	200	441	4750	1356	1689	4160	3984	-692	-493	11311	401	11712	2456	14168	49.55
23	4112	75	435	4622	1266	1679	4110	3728	-712	-476	10829	171	11000	2339	13339	49.39
24	4097	65	440	4602	1229	1751	3965	3486	-674	-467	10601	127	10728	2167	12895	49.53
MUs	93.78	4.76	10.64	109.18	31.28	38.28	97.24	85.68	-13.25	-9.71	254.78	9.93	264.71	56.24	320.95	49.55

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 19/Jul/2012

Position as on 6.30 Hrs of 20/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
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	
Parli Unit 3	210	13/07/2012	02.54	19/07/2012	08.15	P A Fan problem.	
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	
CPP JSW (J) U1	300	15/07/2012	18.44	19/07/2012	19.46	On cooling water problem.	
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	
Bhusawal Unit 2	210	19/07/2012	05.46	19/07/2012	08.02	Flame Failure	
Dabhol 1A	230	19/07/2012	09.01		Continued.	Oil leakage in CTG.	
Parli Unit 6	250	19/07/2012	23.42		Continued.	Furance pressure high.	
Cent_Sect NTPC(V-4)	210	20/07/2012	00.04		Continued.	Boiler tube leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jul/2012

Position as on 6.30 Hrs of 20/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	18/07/2012	11.10	19/07/2012	17.58	Breaker Problem(Taken on TBC)
Parli-Parli (PGCIL) I	19/07/2012	08.00	19/07/2012	21.51	Realignment of corona ring of main bus-ii.
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 - II	13/07/2012	11.20	19/07/2012	13.36	Over Voltage,Oppt. outage,availed on 14.07.2012 Jumper tightening work.(ready for charging at 16.40hrs.)
Kolhapur-Mapusa-II	18/07/2012	22.46		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.
Chandrapur - Parli - I	19/07/2012	07.53	19/07/2012	19.32	Realignment of corona ring of main bus-II.
M.B-II At 400KV Parli	19/07/2012	08.19	19/07/2012	19.24	Realignment of corona ring of B Ph of main bus-II
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		Continued.	Replacement of Conductor
Chinchwad - Parvati	19/07/2012	09.10	19/07/2012	14.56	Replacement of R phase CT.
Bhosari - Chakan	19/07/2012	09.38	19/07/2012	16.54	Conductor replacement work.
Hingoli-Parbhani	19/07/2012	10.40	19/07/2012	13.13	Finding earth leakage.
Kharghar-Nerul	19/07/2012	11.39	19/07/2012	17.31	D.C. leakage taken on TBC.
Hingoli-Pusad	19/07/2012	13.20	19/07/2012	16.19	Attending hot spot measurement of Tan delta of CT.
Kalmeshwar-Kaparkhedda	19/07/2012	13.56	19/07/2012	17.08	Quarterly maintenance work.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work.
Paras - Akola - I	19/07/2012	14.56	19/07/2012	17.11	To Attending of hot spot.
220/22 KV 50 MVA T/F - I @ Kalwa	20/07/2012	06.25		Continued.	Creak side bus outage.
220/100KV 200MVA ICT-I at Kalwa	20/07/2012	06.27		Continued.	Creak side bus outage.
220/100KV 200MVA ICT-II at Kalwa	20/07/2012	06.28		Continued.	Creak side bus outage.
Kalwa-Airoli-Knowledge park	20/07/2012	06.32		Continued.	Creak side bus outage.
Inter Connector @ Kalwa	20/07/2012	06.35		Continued.	Creak side bus outage.
220 KV Interconnector Alongwith 220KV Creek side Bus @ Kalwa	20/07/2012	06.38		Continued.	Replacement of damaged R ph. main bus jumper creak side bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jul/2012

Position as on 6.30 Hrs of 20/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 @ 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	18/07/2012	17.07	19/07/2012	09.06	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chinchwad-Chakan	19/07/2012	10.15	19/07/2012	13.38	Tree cutting.
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-Jaigad II	19/07/2012	08.31	19/07/2012	09.56	Distance Protection.
Karad - Kolhapur - II	19/07/2012	20.05		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	19/07/2012	21.46		Continued.	Distance Protection.
Karad-Jaigad II	19/07/2012	23.14		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
220/22KV 50MVA T/F-I at Mulund	18/07/2012	21.05		Continued.	LV Side B Pole Breaker Burst
Murud - Girawli.	19/07/2012	06.41	19/07/2012	07.55	B Phase CT burst.
220/33 KV 50 MVA T/F - I @ Murud	19/07/2012	06.41		Continued.	HV side B Phase CT Burst.
220/33KV 50MVA T/F-II at Murud	19/07/2012	06.41	19/07/2012	07.55	Tripped 50 MVA T/F-I HV side B Ph. CT Burst.
Murud-Tuljapur	19/07/2012	06.41	19/07/2012	08.22	Trip
ONGC-JNPT	19/07/2012	07.22	19/07/2012	11.18	Distance Protection.
220/132 KV 200 MVA ICT - II @ Parbhani	19/07/2012	23.18	19/07/2012	15.03	PRV operated.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon-Roha-I	19/07/2012	17.27	19/07/2012	17.51	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	95
Unit 6	210	140
Unit 7	210	140
	620	375
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	135
Unit 5	210	150
Unit 6	250	0
Unit 7	250	0
	1130	425
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	180
Unit 4	210	200
Unit 5	500	400
Unit 6	500	375
Unit 7	500	375
	2340	1830
Paras		
Unit 3	250	160
Unit 4	250	180
	500	340
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	630
Nasik		
Unit 3	210	192
Unit 4	210	182
Unit 5	210	0
	630	374
Uran		
All Units	852	430
	852	430
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	7
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	97
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	435
Other CPPs	0	
	1005	1535
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	4115
	3455	4115