



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jul/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.375	2423.117	1) Madhya Pradesh	57.881	1646.506
2) Hydro	9.140	261.442	2) Gujrat	27.099	657.890
3) Gas	15.467	445.570	3) Goa	-5.999	-162.523
Total MSGENCO	102.982	3130.129	4) TAPS 1&2 (Inj.)	7.243	206.321
B) OTHERS			5) Pench (Excess)	-0.057	-1.824
1) RGPPL Gas	15.760	597.824	# Total Cent. Sector	86.167	2346.370
2) Wind Generation	9.463	413.468	F) Other Exchanges		
3) CPP	5.628	156.701	1) With TPCL (Excess)	-11.131	-268.914
4) PENCH (MS)	0.057	1.824	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	2.867	23.616
1) TPCL Thermal	25.590	764.687	Include PX	2.040	68.919
2) TPCL Hydro	3.350	74.231	2) MUMBAI Bilateral	13.401	314.490
TOTAL TPCL	28.940	838.918	Include PX	4.496	96.169
3) REL Thermal	12.616	352.041	3) MUMBAI Schedule	13.401	314.490
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	116.581	3539.845	1) MSEDCL	208.926	6377.402
2) Hydro (A2+B3+C2)	12.547	337.497	2) TPCL	34.562	955.865
3) Gas (A3+B1)	31.227	1043.394	3) REL	18.126	503.953
4) Wind (B2)	9.463	413.468	TOTAL STATE	261.614	7837.220
5) CPP (B3)	5.628	156.701			
TOTAL STATE	175.446	5490.905			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3247	3408	3196
MSGENCO Hydro	413	864	115
MSGENCO Gas	630	646	646
MSGENCO Total Generation	4290	4918	3957
Central Sector Receipt	3837	3562	3575
RGPPL	657	653	659
WIND	185	498	300
CPP	259	194	252
Exchange with TPCL	-802	-494	-118
MSEDCL DEMAND MET	8426	9355	8625
Load Shedding	2570	2862	690
MSEDCL DEMAND (INCL. LS)	10996	12217	9315
TPCL GENERATION	1432	1412	847
REL GENERATION	526	519	528
TPCL+REL DEMAND	2760	2425	1493
STATE DEMAND MET	11186	11780	10118
STATE DEMAND (INCL. LS)	13756	14642	10808
Frequency (Hz)	49.70	49.10	49.86
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2991 MW AT 11.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			54.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.18 Hz at 10.08 Hrs	48.77 Hz at 19.13 Hrs	49.59	3.89 % of Time

* 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 29/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.41	21.38	71	28	60
Unit 2	0.00	20.13	0	0	0
Unit 3	1.29	33.59	75	34	60
Unit 4	0.00	4.30	0	0	0
Unit 5	2.87	3.49	143	80	90
Unit 6	2.60	93.39	151	75	100
Unit 7	3.18	92.46	165	105	140
	11.35	268.74			450
Bhusawal					
Unit 1	0.00	2.68	0	0	0
Unit 2	0.00	70.37	0	0	0
Unit 3	3.54	94.82	160	125	150
	3.54	167.87			150
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.77	65.35	137	80	130
Unit 4	0.00	0.00	0	0	0
Unit 5	2.38	70.54	106	89	110
Unit 6	3.73	126.68	176	130	160
Unit 7	3.97	47.28	234	111	
	12.85	309.84			400
Chandrapur					
Unit 1	3.25	89.62	159	87	160
Unit 2	2.84	77.25	148	40	150
Unit 3	0.00	0.00	0	0	0
Unit 4	2.74	112.20	152	66	100
Unit 5	4.94	76.87	270	135	250
Unit 6	4.89	159.14	255	155	200
Unit 7	6.16	146.55	295	214	275
	24.83	661.62			1135
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	1.10	92.70	138	0	130
Unit 4	1.72	78.78	119	39	
	2.82	171.49			130
Khaparkheda					
Unit 1	3.62	118.45	175	110	170
Unit 2	3.38	103.93	166	77	160
Unit 3	3.97	118.76	175	160	160
Unit 4	4.03	103.40	173	160	170
	14.99	444.54			660
Nasik					
Unit 1	0.00	39.70	0	0	0
Unit 2	1.04	43.11	56	0	50
Unit 3	2.25	102.16	170	50	140
Unit 4	2.43	108.79	168	34	110
Unit 5	2.28	105.27	168	35	110
	8.00	399.02			410
Koyna					
Stage 1-2	4.04	97.23	475	35	600
Stage 4	0.00	54.74	0	0	0
Stage 3	1.82	54.06	310	0	320
	5.86	206.04			920
Kovna 12&4 Total	4.04	151.97			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.47	445.57	658	626	640
		15.47	445.57			640
Hydro						
KDPH		0.00	1.44	0	0	0
VTRNA		0.00	1.66	0	0	60
TILLARI		0.73	7.91	63	0	60
BHTGR/VEER		0.16	1.06	7	6	3
BHIRA T.R.		0.43	8.70	82	0	40
RNGR+BHTSA		0.03	0.81	4	0	3
BHANDARDRA		0.23	2.70	34	0	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.83	4.95	42	32	26
GHATGHAR		0.87	26.17	250	0	0
		3.28	55.41			212
PENCH (MS)						
Pench (MS)		0.06	1.82	25	0	
		0.06	1.82			
Wind						
MalharPeth		0.49	16.50			
Vankuswadi		1.26	38.52			
ATIT		0.13	8.74			
Kale		0.42	15.44			
Satara		0.42	34.39			
Shirala		0.37	13.65			
K Mahankal		1.45	23.08			
Supa		0.20	6.15			
Vita		1.67	76.67			
Dondaicha		1.45	100.85			
Sakri		0.37	19.37			
Nandurbar		0.19	11.86			
Khadakale		0.64	28.53			
Khaparale		0.41	19.72			
		9.46	413.47			
CPP						
TOTAL CPP		5.63	156.70			
		5.63	156.70			
Dabhol						
RGPPL		15.76	597.82	660	653	630
		15.76	597.82			630
Tata						
Trombay 4		1.00	2.88	44	39	100
Trombay 5		10.04	293.48	500	325	500
Trombay 6		9.40	219.99	500	185	500
Trombay 7A		0.00	63.88	0	0	0
Trombay 7B		0.00	31.89	0	0	0
Trombay 8		5.15	152.57	220	206	250
TATA Hydro		3.35	74.23	326	75	447
		28.94	838.92			1797
REL						
1&2		12.62	352.04	530	519	500
		12.62	352.04			500
Cent Sect						
Share						3503
						3503
MS PG CL	Thermal	78.38	2423.12			3335
	Thml+Gas	93.84	2868.69			3975
	Hydro	9.14	261.44			1132
	Total	102.98	3130.13			5107
State Total		175.45	5490.90			11537

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Jul/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	3314	242	648	4204	655	340	263	3102	3510	-372	-335	8637	951	9588	1801	11389	49.67
2	3434	253	648	4335	654	332	256	3030	3312	-283	-246	8643	1015	9658	1662	11320	49.51
3	3303	140	644	4087	655	326	263	3003	3582	-238	-197	8716	917	9633	1587	11220	49.74
4	3196	115	646	3957	659	300	252	2927	3575	-162	-118	8625	690	9315	1493	10808	49.86
5	3230	125	637	3992	656	346	272	2933	3570	-162	-122	8714	690	9404	1497	10901	49.64
6	3242	262	647	4151	655	377	259	2935	3632	-162	-137	8937	1105	10042	1545	11587	49.63
7	3340	117	649	4106	655	258	276	3262	3377	-320	-305	8367	2076	10443	1701	12144	49.75
8	3409	105	640	4154	658	197	271	3404	3483	-464	-433	8330	2418	10748	1871	12619	49.86
9	3468	129	643	4240	656	164	265	3476	3352	-534	-507	8170	2607	10777	2152	12929	49.69
10	3337	231	648	4216	657	161	248	3586	3484	-599	-574	8192	2627	10819	2493	13312	49.76
11	3247	413	630	4290	657	185	259	3816	3837	-824	-802	8426	2570	10996	2760	13756	49.70
12	3117	456	630	4203	657	305	245	3882	3840	-848	-820	8430	2314	10744	2794	13538	49.54
13	3097	530	639	4266	658	380	248	3803	3877	-810	-766	8663	1890	10553	2711	13264	49.54
14	3033	509	626	4168	659	645	227	3769	3955	-776	-733	8921	1707	10628	2623	13251	49.65
15	3025	461	638	4124	657	597	208	3737	3660	-776	-733	8513	1920	10433	2632	13065	49.45
16	3131	169	653	3953	657	530	196	3616	3636	-776	-735	8237	2260	10497	2614	13111	49.55
17	3172	150	650	3972	657	598	182	3689	3478	-752	-710	8177	2345	10522	2574	13096	49.61
18	3346	135	658	4139	657	541	204	3691	3748	-752	-712	8577	2557	11134	2558	13692	49.60
19	3437	254	644	4335	657	599	178	3541	3379	-752	-711	8444	2890	11334	2508	13842	49.49
20	3408	864	646	4918	653	498	194	3561	3562	-640	-494	9355	2862	12217	2425	14642	49.10
21	3375	1026	654	5055	658	412	214	3598	3613	-666	-307	9670	2383	12053	2410	14463	49.59
22	3277	1106	642	5025	655	412	204	3575	3647	-642	-281	9663	2082	11745	2280	14025	49.28
23	3281	806	655	4742	658	451	218	3470	3640	-606	-237	9472	1646	11118	2092	13210	49.46
24	3157	542	652	4351	660	509	226	3269	3418	-486	-116	9048	1636	10684	1904	12588	49.58
MUs	78.38	9.14	15.47	102.98	15.76	9.46	5.63	82.68	86.17	-13.40	-11.13	208.93	46.16	255.08	52.69	307.77	49.59

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 29/Jul/2010

Position as on 6.30 Hrs of 30/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/08/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	04/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
Tata Trombay 7B	60	25/07/2010	15.45		Continued.	Inspection and Maint.work	31/07/2010
Tata Trombay 7A	120	25/07/2010	17.39		Continued.	Main T/F replacement	31/07/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Paras Unit 2	55	13/06/2010	17.35		Continued.	For Scrapping.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	30/07/2010
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Nasik Unit 1	125	26/07/2010	10.30		Continued.	Boiler Tube Leakage.	30/07/2010
Bhusawal Unit 2	210	27/07/2010	12.56	30/07/2010	03.50	Boiler Tube Leakage.	
Bhusawal Unit 1	58	28/07/2010	03.45		Continued.	Trip.	
Koradi Unit 2	105	28/07/2010	11.31		Continued.	Bunkering Problem.	30/07/2010
Nasik Unit 2	125	29/07/2010	03.15	29/07/2010	05.15	UAT Trip.	
Paras Unit 3	250	29/07/2010	10.07		Continued.	Bunkering Problem.	30/07/2010
Paras Unit 4	250	30/07/2010	00.00		Continued.	Bunkering problem.	31/07/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2010

Position as on 6.30 Hrs of 30/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Akola - Aurangabad - I	21/07/2010	13.10		Continued.	Changeover.
Dhule-Sar'Sarovar - II	23/07/2010	15.17		Continued.	Over Voltage
Kolhapur-Mapusa Ckt I	28/07/2010	21.55		Continued.	H/T For O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Lonikand- Koyna Stage IV	16/07/2010	10.52		Continued.	E/W replacement work (Ready)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Jejuri I-Jejuri II	29/07/2010	08.20	29/07/2010	16.27	Q.M.Work
Lonikand -Theur - II	29/07/2010	08.41	29/07/2010	17.23	Q.M.Work
220/132 KV 200 MVA ICT @ Amravati	29/07/2010	09.23	29/07/2010	11.07	Testing work.
220/132KV 100 MVA ICT-I @ Parly-II	29/07/2010	10.11		Continued.	LV BKR replacement work.
Alephata-Kathapur	29/07/2010	14.32	29/07/2010	16.50	R.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315MVA ICT-II @ Karad	29/07/2010	11.35	29/07/2010	12.25	Sparking Problem.
400/220 KV 315 MVA ICT @ Chakan	29/07/2010	12.46	29/07/2010	19.47	OLTC Bucholz.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Chinchwad - Hinjewadi	29/07/2010	09.10	29/07/2010	11.53	Erection of new gantry for new 50 MVA T/F.
Lonikand-Kathapur	29/07/2010	09.16	29/07/2010	12.34	Attending problem of NIT switch.
Kalwa - Nasik III	29/07/2010	11.01	29/07/2010	17.12	Earthwire fixing.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
New Koyna - Karad - I	23/07/2010	23.47		Continued.	Over Voltage
C'pur-Parli II	28/07/2010	13.08	29/07/2010	07.39	H/T For O/V.
Karad-Lamboti	28/07/2010	21.29		Continued.	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Khaparkheda	24/07/2010	19.54		Continued.	Over Voltage.
New Koyna - Koyna Stage IV - II	27/07/2010	03.10		Continued.	Over Voltage.
Karad - Kolhapur - I	27/07/2010	18.42		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	29/07/2010	00.01	29/07/2010	10.50	Over Voltage.
Lonikand - Parli - I	29/07/2010	10.27	29/07/2010	14.02	Distance Protection.
400/220KV 105MVA Spare ICT @ Parly-II	29/07/2010	10.29	29/07/2010	18.55	OLTC Bucholz.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2010

Position as on 6.30 Hrs of 30/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Jejuri-Koyna STG-IV	29/07/2010	23.28		Continued.	Over Voltage.
Karad-Kolhapur-II	30/07/2010	01.37		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Kandalgaon - Pophali	29/07/2010	11.15	29/07/2010	11.35	Dist.Protection
Kalmeshwar-Ambazari	29/07/2010	12.39	29/07/2010	13.00	Dist.protection
Kaparkheda-Kalmeshwar	29/07/2010	12.49	29/07/2010	12.59	Dist.protection
220/100 KV125 MVA ICT-III @Trombay	29/07/2010	13.08	29/07/2010	14.34	Diff.Protection.
Dondaicha - Jamde - I	29/07/2010	18.10	29/07/2010	19.00	Due to DC leakage problem in BKR.
Voltage Level : 132KV			Outage Type TRIPPED		
Paras - Akot	29/07/2010	05.10	29/07/2010	05.50	Dist.protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	75
Unit 4	105	0
Unit 5	200	145
Unit 6	210	150
Unit 7	210	150
	1040	600
Bhusawal		
Unit 1	58	0
Unit 2	210	110
Unit 3	210	130
	478	240
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	80
Unit 4	210	0
Unit 5	210	110
Unit 6	250	160
Unit 7	250	
	1190	350
Chandrapur		
Unit 1	210	75
Unit 2	210	50
Unit 3	210	0
Unit 4	210	140
Unit 5	500	180
Unit 6	500	180
Unit 7	500	200
	2340	825
Paras		
Unit 2	55	0
Unit 3	250	0
Unit 4	250	
	555	0
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	0
Unit 2	120	41
Unit 3	210	122
Unit 4	210	122
Unit 5	210	122
	870	407
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	193
PENCH (MS)		
Pench (MS)	53	
	53	
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	640
	960	640
Tata		
Trombay 4	150	40
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	1737
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3684
	3143	3684