



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jun/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	81.249	2306.490	1) Madhya Pradesh	67.592	1943.042
2) Hydro	9.613	255.951	2) Gujrat	19.578	652.676
3) Gas	15.513	454.683	3) Goa	-6.142	-180.208
Total MSGENCO	106.375	3017.124	4) TAPS 1&2 (Inj.)	6.381	209.572
B) OTHERS			5) Pench (Excess)	0.000	-4.020
1) RGPPL Gas	28.482	915.938	# Total Cent. Sector	87.409	2621.062
2) Wind Generation	11.755	348.270	F) Other Exchanges		
3) CPP	5.414	135.181	1) With TPCL (Excess)	-11.872	-289.877
4) PENCH (MS)	0.000	4.020	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.253	218.274
1) TPCL Thermal	25.513	825.119	Include PX	1.438	72.004
2) TPCL Hydro	4.575	98.893	2) MUMBAI Bilateral	12.504	314.229
TOTAL TPCL	30.088	924.012	Include PX	2.383	21.294
3) REL Thermal	12.556	346.587	3) MUMBAI Schedule	12.504	314.229
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	119.318	3478.196	1) MSEDCL	227.563	6751.718
2) Hydro (A2+B3+C2)	14.188	358.864	2) TPCL	35.784	1003.818
3) Gas (A3+B1)	43.995	1370.621	3) REL	18.733	556.651
4) Wind (B2)	11.755	348.270	TOTAL STATE	282.080	8312.187
5) CPP (B3)	5.414	135.181			
TOTAL STATE	194.670	5691.132			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3297	3439	3561
MSGENCO Hydro	185	422	46
MSGENCO Gas	631	628	662
MSGENCO Total Generation	4113	4489	4269
Central Sector Receipt	3999	3979	3287
RGPPL	1229	1240	1001
WIND	476	481	627
CPP	200	213	237
Exchange with TPCL	-759	-536	-107
MSEDCL DEMAND MET	9258	9866	9314
Load Shedding	2854	3312	1487
MSEDCL DEMAND (INCL. LS)	12112	13178	10801
TPCL GENERATION	1531	1480	987
REL GENERATION	519	526	522
TPCL+REL DEMAND	2809	2542	1616
STATE DEMAND MET	12067	12408	10930
STATE DEMAND (INCL. LS)	14921	15720	12417
Frequency (Hz)	49.77	49.74	50.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4143 MW AT 15.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			76.09 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.41 Hz at 06.04 Hrs	49.2 Hz at 12.17 Hrs	49.83	0 % 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/Jun/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	40.90	0	0	0
Unit 2	1.53	23.26	74	58	60
Unit 3	1.34	44.05	72	27	60
Unit 4	0.89	21.69	64	0	50
Unit 5	0.00	52.97	0	0	0
Unit 6	2.88	58.96	141	80	130
Unit 7	2.90	82.86	160	85	100
	9.53	324.70			400
Bhusawal					
Unit 1	0.00	8.10	0	0	0
Unit 2	3.26	89.91	165	0	180
Unit 3	3.91	101.24	175	150	175
	7.17	199.25			355
Parli					
Unit 1	0.00	9.02	0	0	0
Unit 2	0.00	8.98	0	0	0
Unit 3	3.52	114.73	160	137	150
Unit 4	0.00	76.49	0	0	0
Unit 5	2.77	92.61	132	97	120
Unit 6	5.24	147.49	237	199	230
Unit 7	2.87	108.65	260	0	
	14.41	557.98			500
Chandrapur					
Unit 1	3.40	7.30	158	135	150
Unit 2	3.58	12.39	160	137	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.20	120.03	185	136	190
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	11.18	139.72			490
Paras					
Unit 2	0.00	7.95	0	0	
Unit 3	5.46	157.74	249	220	240
Unit 4	0.00	59.99	0	0	
	5.46	225.68			240
Khaparkheda					
Unit 1	4.22	119.12	195	135	170
Unit 2	4.01	104.14	185	148	170
Unit 3	4.13	117.93	185	160	160
Unit 4	3.85	105.74	168	154	160
	16.21	446.92			660
Nasik					
Unit 1	2.14	51.96	99	79	90
Unit 2	1.83	47.56	94	55	80
Unit 3	4.30	100.66	195	160	180
Unit 4	4.53	85.57	198	177	190
Unit 5	4.50	126.49	196	180	180
	17.29	412.24			720
Koyna					
Stage 1-2	2.81	67.49	325	30	600
Stage 4	4.16	95.66	758	0	250
Stage 3	1.29	39.04	320	0	320
	8.26	202.19			1170
Kovna 12&4 Total	6.98	163.15			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.51	454.68	667	620	630
		15.51	454.68			630
Hydro						
KDPH		0.00	3.26	0	0	0
VTRNA		0.00	5.35	0	0	0
TILLARI		0.06	0.22	58	0	0
BHTGR/VEER		0.00	1.31	0	0	0
BHIRA T.R.		0.44	7.37	42	0	40
RNGR+BHTSA		0.08	1.86	4	3	1
BHANDARDRA		0.30	1.68	13	0	15
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.05	4.10	8	0	20
GHATGHAR		0.43	28.62	125	0	0
		1.35	53.76			76
PENCH (MS)						
Pench (MS)		0.00	4.02	0	0	
		0.00	4.02			
Wind						
MalharPeth		0.28	11.23			
Vankuswadi		0.90	24.23			
ATIT		0.16	8.33			
Kale		0.26	10.27			
Satara		0.38	18.94			
Shirala		0.24	10.46			
K Mahankal		1.49	17.90			
Supa		0.20	4.91			
Vita		3.02	64.07			
Dondaicha		2.79	113.21			
Sakri		0.64	18.90			
Nandurbar		0.40	14.79			
Khadakale		0.63	17.50			
Khaparale		0.37	13.54			
		11.76	348.27			
CPP						
TOTAL CPP		5.41	135.18			
		5.41	135.18			
Dabhol						
RGPPL		28.48	915.94	1256	926	930
		28.48	915.94			930
Tata						
Trombay 4		0.00	43.44	0	0	0
Trombay 5		10.94	311.10	460	450	460
Trombay 6		5.58	199.12	370	155	500
Trombay 7A		2.50	81.24	122	84	120
Trombay 7B		1.47	43.65	67	55	60
Trombay 8		5.02	146.57	220	200	200
TATA Hydro		4.58	98.89	336	0	447
		30.09	924.01			1787
REL						
1&2		12.56	346.59	528	517	500
		12.56	346.59			500
Cent Sect						
Share						3000
						3000
MS PG CL	Thermal	81.25	2306.49			3365
	Thml+Gas	96.76	2761.17			3995
	Hydro	9.61	255.95			1246
	Total	106.38	3017.12			5241
State Total		194.67	5691.13			11451

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Jun/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	3493	624	654	4771	926	581	238	2961	3357	-440	-418	9455	1513	10968	1944	12912	49.73
2	3531	166	660	4357	934	514	238	2728	3429	-218	-195	9277	1831	11108	1698	12806	49.72
3	3546	66	662	4274	964	622	239	2636	3325	-129	-105	9319	1720	11039	1628	12667	49.97
4	3561	46	662	4269	1001	627	237	2636	3287	-129	-107	9314	1487	10801	1616	12417	50.04
5	3514	51	666	4231	1068	569	237	2637	3364	-129	-110	9359	1493	10852	1623	12475	49.93
6	3565	51	667	4283	1244	570	245	2638	3235	-129	-106	9471	1696	11167	1644	12811	49.94
7	3547	71	663	4281	1256	547	229	2820	2828	-119	-100	9041	2291	11332	1747	13079	50.00
8	3549	55	662	4266	1250	456	199	3010	3346	-279	-269	9248	2271	11519	1847	13366	49.91
9	3503	92	655	4250	1232	482	227	3254	3365	-469	-473	9083	2753	11836	2158	13994	49.90
10	3271	163	647	4081	1230	440	209	3599	3627	-776	-789	8798	3000	11798	2570	14368	49.86
11	3305	102	639	4046	1230	461	228	3618	3779	-784	-803	8941	2971	11912	2727	14639	49.80
12	3297	185	631	4113	1229	476	200	3617	3999	-784	-759	9258	2854	12112	2809	14921	49.77
13	3317	597	642	4556	1226	421	204	3597	3977	-784	-763	9621	2763	12384	2763	15147	49.68
14	3273	576	650	4499	1234	462	237	3516	4184	-784	-753	9863	2557	12420	2686	15106	49.66
15	3211	521	634	4366	1244	413	228	3515	4318	-784	-761	9808	2811	12619	2683	15302	49.74
16	3190	432	635	4257	1247	455	220	3531	3846	-784	-760	9265	3256	12521	2720	15241	49.89
17	3342	56	638	4036	1245	597	207	3734	4069	-784	-762	9392	3224	12616	2717	15333	49.92
18	3355	63	642	4060	1240	557	238	3752	3976	-784	-758	9313	3143	12456	2648	15104	49.95
19	3385	100	642	4127	1245	469	185	3278	3765	-568	-533	9258	3346	12604	2485	15089	50.04
20	3439	422	628	4489	1240	481	213	3158	3979	-568	-536	9866	3312	13178	2542	15720	49.74
21	3306	1337	642	5285	1244	466	205	3158	3639	-568	-505	10334	2829	13163	2499	15662	49.76
22	3289	1585	640	5514	1250	371	227	3160	3632	-568	-504	10490	2522	13012	2392	15404	49.70
23	3210	1390	632	5232	1252	375	266	3231	3497	-568	-502	10120	2066	12186	2250	14436	49.64
24	3250	862	620	4732	1251	345	258	3268	3590	-568	-501	9675	2052	11727	2120	13847	49.68
MUs	81.25	9.61	15.51	106.38	28.48	11.76	5.41	77.05	87.41	-12.50	-11.87	227.57	59.76	287.33	54.52	341.85	49.83

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/Jun/2010

Position as on 6.30 Hrs of 30/Jun/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 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	30/06/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	30/06/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual overhaul	20/07/2010
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.	
Paras Unit 4	250	15/06/2010	20.55	30/06/2010	03.13	Clinker Formation.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Tata Trombay 4	150	18/06/2010	01.40		Continued.	Low demand.	
Bhusawal Unit 1	58	18/06/2010	05.10		Continued.	For scrapping.	
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.	10/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	10/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit differential.	10/07/2010
Koyna ST - IV 4	250	23/06/2010	07.50		Continued.	Servomotor seal replacement.	01/07/2010
Parli Unit 4	210	24/06/2010	23.18		Continued.	HPCV problem.	30/06/2010
Dabhol 3A	230	27/06/2010	00.20	29/06/2010	00.40	Heavy Leakages in Boiler	
Cent_Sect NTPC(K-4)	500	27/06/2010	18:57	29/06/2010	06.58	Boiler Tube Leakage.	
Koradi Unit 1	105	28/06/2010	05.53		Continued.	Low Bunkering.	
Cent_Sect TARAPUR-4	540	28/06/2010	05.54		Continued.	System deficiency.	30/06/2010
Parli Unit 7	250	29/06/2010	09.00	29/06/2010	13.56	Low Drem Level.	
Bhusawal Unit 2	210	29/06/2010	13.31		Continued.	Drum Level Low.	
Koradi Unit 4	115	29/06/2010	16.44		Continued.	Bunkering Problem.	
Parli Unit 7	250	29/06/2010	19.50	30/06/2010	00.28	Flame Failure.	

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

Position as on 6.30 Hrs of 30/Jun/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa Ckt I	15/06/2010	22.36		Continued.	Over Voltage.
Akola - Wardha - II	16/06/2010	14.53		Continued.	Due to Line Loading.
Dhule-Sar'Sarovar - II	24/06/2010	16.17		Continued.	Over Voltage.
Akola - Aurangabad - I	25/06/2010	14.10		Continued.	To control Aurangabad ICT loading
Dhule-Sar'Sarovar - I	26/06/2010	17.37		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of Line Reactor of Lonikand -I at Parli.
400/11.5 KV 90 MVA Station T/F-IV @ Chandrapur	29/05/2010	10.18		Continued.	Maintainance Work.
Bus coupler at Koradi	26/06/2010	11.10		Continued.	Breaker Repl.Work of CT Repl.Removal of Cable Wiring.
N.Koyna-jaigad-I	29/06/2010	07.06	29/06/2010	17.57	To connecting TBC jumpers.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/100KV 50MVA T/F-III at K'gaon	29/06/2010	09.05	29/06/2010	18.12	WTI and DTI to be replaced by new.
Wadkhal-IPCL-II	29/06/2010	09.35	29/06/2010	17.40	Isolator alignment work.
Parly - New Parly TPS - II	29/06/2010	09.36	29/06/2010	16.17	Replacement of osolator jumper.
SPCL - IPCL	29/06/2010	10.05	29/06/2010	19.10	Retrofitting of back up protection relays.
Karad - Miraj	29/06/2010	10.16	29/06/2010	19.29	Wave trap and C.C.replacement.
Parli-Usmanabad	29/06/2010	10.43	29/06/2010	14.46	Replacement of coupling condenser.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT II AT CHAKAN	12/06/2010	13:04		Continued.	'R' Phase Unit Replacement.
400/220kv, 315 MVA ICT-II @ Nagothane.	29/06/2010	09.28	29/06/2010	17.02	To attend Hot Spot,LV side bushing and R,B phase CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
Karad-Kolhapur CKT I	29/06/2010	01.11	29/06/2010	10.50	Over Voltage.
Karad-Kolhapur CKT II	29/06/2010	23.48		Continued.	H/T For O/V.
Chandrapur - Parli - II	30/06/2010	01.55		Continued.	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV Bushing Burst and Caught Fire.
Koradi - Kaparkheda	27/06/2010	23.08	29/06/2010	14.17	Over Voltage.
Khaparkheda-Chandrapur.	27/06/2010	23.08	29/06/2010	14.17	Over Voltage.
400/220 KV 500 MVA ICT-I at Jejuri	29/06/2010	11.16	29/06/2010	11.22	Trip on Differential Protection.
C'pur-Parli II	29/06/2010	14.45	29/06/2010	15.40	Trip on O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.

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

Position as on 6.30 Hrs of 30/Jun/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Malkapur	29/06/2010	11.23	29/06/2010	11.55	At Malkapur,132KV bus became dead due to bursting of B-Ph breaker pole of cap.bank.
Malkapur-Motala	29/06/2010	11.23	29/06/2010	11.50	At Malkapur,132KV bus became dead due to bursting of B-Ph breaker pole of cap.bank.
Khadka-Malkapur	29/06/2010	11.23	29/06/2010	11.41	B-ph breaker pole of Cap.bank burst and 132KV bus became dead.
Malkapur-Bodwad	29/06/2010	11.23	29/06/2010	11.41	At Malkapur,132KV bus became dead due to bursting of B-ph breaker pole of Cap.bank.
Malkapur - Khamgaon	29/06/2010	11.23	29/06/2010	11.53	At Malkapur,132 KV bus became dead due to bursting of B-Ph breaker pole of cap.bank.
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 Kv 200 MVA ICT at Bale	29/06/2010	08.40	29/06/2010	15.40	Installation of back up relay.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jun/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	75
Unit 3	105	50
Unit 4	105	0
Unit 5	200	0
Unit 6	210	154
Unit 7	210	122
	1040	401
Bhusawal		
Unit 1	58	0
Unit 2	210	155
Unit 3	210	165
	478	320
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	170
Unit 4	210	0
Unit 5	210	120
Unit 6	250	250
Unit 7	250	0
	1190	540
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	500
Paras		
Unit 2	55	0
Unit 3	250	250
Unit 4	250	0
	555	250
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	190
Unit 4	210	160
	840	720
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
	870	720
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	2
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	67
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1230
	960	1230
Tata		
Trombay 4	150	0
Trombay 5	500	470
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1847
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3216
	3143	3216