



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Aug/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	76.644	2116.956	1) Madhya Pradesh	57.607	1714.653
2) Hydro	3.414	199.757	2) Gujrat	27.157	982.644
3) Gas	15.793	453.412	3) Goa	-5.740	-167.522
Total MSGENCO	95.851	2770.125	4) TAPS 1&2 (Inj.)	7.879	221.501
B) OTHERS			5) Pench (Excess)	-0.102	-1.709
1) RGPPL Gas	29.059	777.436	# Total Cent. Sector	86.801	2749.567
2) Wind Generation	12.996	329.986	F) Other Exchanges		
3) CPP / IPP	12.502	193.804	1) With TPCL (Excess)	-7.167	-322.865
4) PENCH (MS)	0.102	1.709	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.360	124.321
1) TPCL Thermal	24.530	665.311	Include PX	3.375	167.601
2) TPCL Hydro	0.136	112.124	2) MUMBAI Bilateral	7.445	343.477
TOTAL TPCL	24.666	777.435	Include PX	0.762	126.831
3) REL Thermal	12.592	365.220	3) MUMBAI Schedule	7.445	349.127
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	113.766	3147.487	1) MSEDCL	230.144	6499.762
2) Hydro (A2+B3+C2)	3.652	313.590	2) TPCL	29.027	966.723
3) Gas (A3+B1)	44.852	1230.848	3) REL	15.396	498.681
4) Wind (B2)	12.996	329.986	TOTAL STATE	274.567	7965.166
5) CPP (B3)	12.502	193.804			
TOTAL STATE	187.768	5215.715			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3142	3377	2847
MSGENCO Hydro	173	345	66
MSGENCO Gas	669	658	657
MSGENCO Total Generation	3984	4380	3570
Central Sector Receipt	3921	4073	3659
RGPPL	1224	1208	1187
WIND	420	723	385
CPP / IPP	524	520	525
Exchange with TPCL	-321	-459	-170
MSEDCL DEMAND MET	9752	10472	9156
Load Shedding	1091	1846	68
MSEDCL DEMAND (INCL. LS)	10843	12318	9224
TPCL GENERATION	1114	1090	940
REL GENERATION	525	527	522
TPCL+REL DEMAND	1960	2076	1632
STATE DEMAND MET	11712	12548	10788
STATE DEMAND (INCL. LS)	12803	14394	10856
Frequency (Hz)	50.00	49.90	49.97
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2624 MW At 21.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			28.42 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.36 Hz at 14.04 Hrs	49.39 Hz at 00.04 Hrs	49.95	0 % 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 29/Aug/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	31.38	0	0	0
Unit 2	1.36	26.49	74	41	40
Unit 3	1.40	24.51	66	50	70
Unit 4	0.00	5.82	0	0	0
Unit 5	0.00	66.41	0	0	0
Unit 6	3.53	63.53	157	124	140
Unit 7	3.23	54.36	160	90	130
	9.52	272.50			380
Bhusawal					
Unit 1	0.00	5.80	0	0	0
Unit 2	2.76	68.96	140	75	160
Unit 3	0.00	0.00	0	0	0
	2.76	74.76			160
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.48	6.41	22	17	20
Unit 3	2.73	78.01	132	72	125
Unit 4	2.07	11.94	108	60	100
Unit 5	3.38	61.38	155	120	150
Unit 6	3.96	83.74	182	150	300
Unit 7	3.39	68.08	182	0	
	16.02	309.55			695
Chandrapur					
Unit 1	2.74	78.01	144	80	100
Unit 2	2.73	78.20	142	64	80
Unit 3	3.41	30.68	182	87	150
Unit 4	0.00	50.29	0	0	0
Unit 5	5.86	149.10	280	185	200
Unit 6	4.04	113.10	235	115	275
Unit 7	6.62	168.48	309	220	250
	25.39	667.86			1055
Paras					
Unit 2	0.45	4.27	20	17	15
Unit 3	3.09	65.96	165	105	130
Unit 4	1.93	61.32	142	0	
	5.47	131.55			145
Khaparkheda					
Unit 1	4.20	122.04	200	140	190
Unit 2	0.00	90.84	0	0	0
Unit 3	4.16	112.03	193	150	170
Unit 4	0.00	55.16	0	0	0
	8.36	380.07			360
Nasik					
Unit 1	1.57	35.24	84	46	70
Unit 2	1.33	27.72	73	44	50
Unit 3	0.00	72.32	0	0	0
Unit 4	3.16	69.45	171	41	150
Unit 5	3.05	75.95	166	16	150
	9.11	280.67			420
Koyna					
Stage 1-2	1.36	82.87	290	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.49	31.30	138	0	320
	1.85	114.17			920
Kovna 12&4 Total	1.36	82.87			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.79	453.41	671	640	640
		15.79	453.41			640
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.25	2.17	61	0	0
TILLARI		0.04	6.75	42	0	0
BHTGR/VEER		0.05	4.86	3	2	1
BHIRA T.R.		0.32	10.78	82	0	40
RNGR+BHTSA		0.06	1.48	3	2	2
BHANDARDRA		0.36	9.39	16	15	0
ELDARY		0.04	0.05	22	0	0
SMLHY PTN		0.06	15.25	10	0	10
GHATGHAR		0.38	34.85	165	0	0
		1.56	85.59			53
PENCH (MS)						
Pench (MS)		0.10	1.71	27	0	
		0.10	1.71			
Wind						
MalharPeth		0.66	14.11			
Vankuswadi		1.71	29.76			
ATIT		0.28	8.70			
Kale		0.75	12.20			
Satara		3.16	32.76			
Shirala		0.56	12.27			
K Mahankal		0.10	14.04			
Supa		0.15	4.77			
Vita		3.41	55.81			
Dondaicha		0.98	79.90			
Sakri		0.21	16.75			
Nandurbar		0.20	10.84			
Khandke		0.52	20.66			
Khaparale		0.30	17.42			
		13.00	329.99			
CPP						
TOTAL CPP		12.50	193.80			
		12.50	193.80			
Dabhol						
RGPPL		29.06	777.44	1256	1184	1250
		29.06	777.44			1250
Tata						
Trombay 4		0.00	4.07	0	0	0
Trombay 5		9.58	192.52	440	300	500
Trombay 6		5.79	205.70	360	150	500
Trombay 7A		2.88	75.00	124	89	120
Trombay 7B		1.54	40.54	68	39	60
Trombay 8		4.75	147.48	233	160	250
TATA Hydro		0.14	112.12	24	0	447
		24.67	777.44			1877
REL						
1&2		12.59	365.22	529	516	500
		12.59	365.22			500
Cent Sect						
Share						4322
						4322
MS PG CL	Thermal	76.64	2116.96			3215
	Thml+Gas	92.44	2570.37			3855
	Hydro	3.41	199.76			973
	Total	95.85	2770.12			4828
State Total		187.77	5215.72			12777

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Aug/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	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	2931	376	657	3964	1186	444	495	3198	3508	-256	-336	9261	88	9349	1856	11205	49.76
2	2909	66	657	3632	1186	409	491	3216	3818	-188	-238	9298	78	9376	1711	11087	49.94
3	2847	66	657	3570	1187	385	525	3355	3659	-147	-170	9156	68	9224	1632	10856	49.97
4	2983	71	659	3713	1186	364	516	3258	3884	-177	-75	9588	50	9638	1537	11175	49.96
5	2972	71	664	3707	1186	336	521	3258	3873	-102	-70	9553	52	9605	1576	11181	49.92
6	2894	60	661	3615	1184	350	513	3211	4086	-102	-80	9668	202	9870	1599	11469	49.93
7	3071	65	671	3807	1220	382	513	3359	3641	-260	-219	9344	328	9672	1661	11333	50.15
8	3268	60	662	3990	1226	389	523	3460	3631	-260	-211	9548	290	9838	1645	11483	50.08
9	3377	102	670	4149	1223	433	527	3426	3771	-260	-220	9883	480	10363	1744	12107	49.92
10	3142	173	669	3984	1224	420	524	3608	3921	-344	-321	9752	1091	10843	1960	12803	50.00
11	3102	136	667	3905	1233	512	519	3878	3500	-344	-396	9273	987	10260	2051	12311	49.95
12	3143	226	651	4020	1256	520	526	3892	3595	-344	-389	9528	1054	10582	2074	12656	49.98
13	3174	122	640	3936	1252	557	522	3780	3733	-349	-397	9603	1004	10607	2026	12633	49.93
14	3253	64	640	3957	1212	558	529	3705	3556	-349	-364	9448	997	10445	1952	12397	49.99
15	3384	59	645	4088	1210	601	530	3586	3220	-349	-315	9334	463	9797	1905	11702	50.07
16	3388	59	658	4105	1210	679	532	3468	3146	-349	-305	9367	93	9460	1870	11330	50.07
17	3375	69	670	4114	1208	678	536	3468	3497	-349	-321	9712	99	9811	1847	11658	50.06
18	3343	64	666	4073	1210	786	537	3470	3426	-349	-312	9720	94	9814	1874	11688	50.05
19	3402	201	661	4264	1208	735	532	3566	3636	-340	-309	10066	987	11053	1949	13002	49.90
20	3401	449	656	4506	1207	669	533	3702	3514	-400	-363	10091	1931	12022	2064	14086	49.86
21	3377	345	658	4380	1208	723	520	3750	4073	-448	-459	10472	1846	12318	2076	14394	49.90
22	3357	235	652	4244	1210	686	516	3703	3473	-427	-435	9721	1541	11262	2025	13287	49.91
23	3312	166	650	4128	1212	732	521	3680	3441	-501	-451	9603	1138	10741	1959	12700	49.75
24	3239	109	652	4000	1215	648	501	3277	3199	-454	-411	9155	363	9518	1832	11350	49.82
MUs	76.64	3.41	15.79	95.85	29.06	13.00	12.50	84.27	86.80	-7.45	-7.17	230.14	15.32	245.47	44.42	289.89	49.95

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/Aug/2010

Position as on 6.30 Hrs of 30/Aug/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
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
Bhusawal Unit 3	210	31/07/2010	05.26		Continued.	Annual Overhaul.	15/09/2010
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	30/08/2010
Cent_Sect NTPC(V-8)	500	20/08/2010	00.46		Continued.	AOH.	15/09/2010
Khaparkheda Unit 2	210	27/08/2010	23.40		Continued.	Capital Overhaul	05/10/2010
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	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/09/2010
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Reverse Power Flow relay operated	30/08/2010
Koradi Unit 1	105	25/08/2010	11.51		Continued.	Boiler Inspection.	30/08/2010
Nasik Unit 3	210	27/08/2010	07.50		Continued.	Boiler tube leakage.	31/08/2010
Bhusawal Unit 1	58	27/08/2010	19.40		Continued.	Wet coal problem.	30/08/2010
Koradi Unit 5	200	28/08/2010	00.57	30/08/2010	00.39	Boiler tube leakage.	
Chandrapur Unit 4	210	28/08/2010	19:43		Continued.	Tripped on Differential Expantion.	31/08/2010
Khaparkheda Unit 4	210	28/08/2010	23.18		Continued.	Heavy seal oil leakage of Generator	01/09/2010
Parli Unit 7	250	29/08/2010	09.15	29/08/2010	11.42	Boiler fuel supply fail.	
Paras Unit 4	250	29/08/2010	20.20		Continued.	Flame failure.	31/08/2010

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

Position as on 6.30 Hrs of 30/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser-Taps	29/08/2010	08.29	29/08/2010	12.47	CRM and timing of CB.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	12/08/2010	21.27		Continued.	Over Voltage.
Dhule - S'Sarovar- II	26/08/2010	22.08		Continued.	H/T for O/V.
Wardha - Akola - I	28/08/2010	12.25		Continued.	Change Over
Dhule-Khandwa-I	30/08/2010	01.07		Continued.	H/T for O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		
PADGHA-BOISER (PGCIL)	29/08/2010	15.56	29/08/2010	20.23	H/T to attend hot spot Kamba-kolshet line.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	21/08/2010	06.06		Continued.	Tripped on O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Padgha - Boisar (PGCIL)	29/08/2010	10.02	29/08/2010	11.38	Distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	Routine Maintainance Work.
New Koyna - Koyna Stage IV - II	22/08/2010	07.30		Continued.	Maint.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Repl.125 MVA ICT by 200 MVA New ICT.
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
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	21/08/2010	17.58		Continued.	Over Voltage
Karad - Kolhapur - II	27/08/2010	23.01		Continued.	H/T for O/V.
Karad-Lamboti	28/08/2010	22.44		Continued.	Over Voltage
Lonikand- Koyna Stage IV	30/08/2010	01.30		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kharghar-TSS	29/08/2010	06.51	29/08/2010	11.17	To attend the breakdown of Kandalgaon-Kharghar line.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Karad	29/08/2010	06.20		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-Khargar	28/08/2010	19.02	29/08/2010	11.11	Flashover of disc insulator.
Babaleshwar - Ranjangaon	28/08/2010	20.04	29/08/2010	10.44	Distance Protection
220/132KV 100MVA ICT-II @ Chalisgaon	29/08/2010	03.40	29/08/2010	19.58	Tripped on Buchholz

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

Position as on 6.30 Hrs of 30/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Padgha-Kamba	29/08/2010	09.56	29/08/2010	10.50	Distance protection.
Kolshet - Kamba	29/08/2010	09.56	29/08/2010	19.57	Distance protection.
Wada-Kolshet	29/08/2010	09.56	29/08/2010	11.10	Distance protection.
Padgha - Nalasopara	29/08/2010	10.02	29/08/2010	10.29	Distance protection.
Kalwa-Mulund II	29/08/2010	23.59	30/08/2010	00.39	Tripped.taaken on TBC.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Hingna-II	28/08/2010	14.10		Continued.	Distance Protection
Ambazari-Kalmeshwar	28/08/2010	17.12		Continued.	Tripped

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	60
Unit 6	210	150
Unit 7	210	120
	1040	470
Bhusawal		
Unit 1	58	0
Unit 2	210	160
Unit 3	210	0
	478	160
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	130
Unit 4	210	80
Unit 5	210	150
Unit 6	250	175
Unit 7	250	155
	1190	710
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	180
Unit 4	210	0
Unit 5	500	300
Unit 6	500	200
Unit 7	500	290
	2340	1260
Paras		
Unit 2	55	17
Unit 3	250	130
Unit 4	250	
	555	147
Khaparkheda		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	160
Unit 4	210	0
	840	320
Nasik		
Unit 1	120	70
Unit 2	120	70
Unit 3	210	0
Unit 4	210	150
Unit 5	210	150
	870	440
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	61
TILLARI	60	42
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	16
ELDARY	23	22
SMLHY PTN	12	10
GHATGHAR	250	0
	611	236
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1250
	960	1250
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3712
	3143	3712

	17376	7 of 7	12642
--	--------------	--------	--------------