



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Aug/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Aug/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	75.014	2191.970	1) Madhya Pradesh	45.794	1760.447
2) Hydro	5.651	205.408	2) Gujrat	29.239	1011.883
3) Gas	15.847	469.259	3) Goa	-6.221	-173.743
Total MSGENCO	96.512	2866.637	4) TAPS 1&2 (Inj.)	7.867	229.368
B) OTHERS			5) Pench (Excess)	-0.148	-1.857
1) RGPPL Gas	29.268	806.704	# Total Cent. Sector	76.531	2826.098
2) Wind Generation	19.281	349.267	F) Other Exchanges		
3) CPP / IPP	11.680	205.484	1) With TPCL (Excess)	-11.868	-334.733
4) PENCH (MS)	0.148	1.857	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.382	129.702
1) TPCL Thermal	22.095	687.406	Include PX	7.763	175.364
2) TPCL Hydro	4.364	116.488	2) MUMBAI Bilateral	12.602	356.079
TOTAL TPCL	26.459	803.894	Include PX	4.309	131.139
3) REL Thermal	12.537	377.757	3) MUMBAI Schedule	12.602	361.729
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	109.646	3257.133	1) MSEDCL	221.552	6721.314
2) Hydro (A2+B3+C2)	10.163	323.753	2) TPCL	33.929	1000.652
3) Gas (A3+B1)	45.115	1275.963	3) REL	16.934	515.615
4) Wind (B2)	19.281	349.267	TOTAL STATE	272.415	8237.581
5) CPP (B3)	11.680	205.484			
TOTAL STATE	195.885	5411.600			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	3346	2908	3311
MSGENCO Hydro	262	771	99
MSGENCO Gas	652	653	666
MSGENCO Total Generation	4260	4332	4076
Central Sector Receipt	3601	3532	2388
RGPPL	1157	1258	1216
WIND	724	834	742
CPP / IPP	536	433	507
Exchange with TPCL	-664	-476	-214
MSEDCL DEMAND MET	9614	9939	8735
Load Shedding	129	1670	0
MSEDCL DEMAND (INCL. LS)	9743	11609	8735
TPCL GENERATION	1256	1346	810
REL GENERATION	524	520	523
TPCL+REL DEMAND	2444	2342	1547
STATE DEMAND MET	12058	12281	10282
STATE DEMAND (INCL. LS)	12187	13951	10282
Frequency (Hz)	49.91	49.81	50.01
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1982 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			12.30 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 07.05 Hrs	49.2 Hz at 20.16 Hrs	49.9	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 30/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	1.54	28.03	74	47	70
Unit 3	1.45	25.96	80	39	70
Unit 4	0.00	5.82	0	0	0
Unit 5	2.76	69.16	156	3	60
Unit 6	3.48	67.02	178	113	150
Unit 7	3.28	57.64	175	95	120
	12.52	285.01			470
Bhusawal					
Unit 1	0.33	6.13	41	0	0
Unit 2	3.18	72.14	155	95	160
Unit 3	0.00	0.00	0	0	0
	3.50	78.26			160
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.46	6.87	22	17	20
Unit 3	1.59	79.60	137	0	130
Unit 4	0.42	12.35	77	0	80
Unit 5	3.45	64.82	158	123	150
Unit 6	3.86	87.60	201	140	175
Unit 7	3.58	71.65	175	56	155
	13.35	322.89			710
Chandrapur					
Unit 1	3.00	81.01	160	63	150
Unit 2	3.13	81.33	157	91	140
Unit 3	2.41	33.10	170	0	180
Unit 4	0.00	50.29	0	0	0
Unit 5	6.19	155.30	310	170	300
Unit 6	4.20	117.29	225	105	200
Unit 7	5.91	174.38	298	206	290
	24.83	692.69			1260
Paras					
Unit 2	0.42	4.69	22	15	17
Unit 3	2.54	68.50	141	88	130
Unit 4	0.00	61.32	0	0	
	2.96	134.52			147
Khaparkheda					
Unit 1	4.15	126.20	205	150	160
Unit 2	0.00	90.84	0	0	0
Unit 3	3.76	115.78	195	138	160
Unit 4	0.00	55.16	0	0	0
	7.90	387.97			320
Nasik					
Unit 1	1.33	36.57	79	0	70
Unit 2	1.44	29.15	87	20	70
Unit 3	0.00	72.32	0	0	0
Unit 4	3.66	73.11	182	63	150
Unit 5	3.52	79.46	166	71	150
	9.95	290.62			440
Koyna					
Stage 1-2	1.19	84.06	115	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	1.19	32.49	274	0	320
	2.38	116.55			920
Kovna 12&4 Total	1.19	84.06			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.85	469.26	673	642	640
		15.85	469.26			640
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.25	2.42	61	0	61
TILLARI		0.05	6.80	46	0	42
BHTGR/VEER		0.07	4.93	3	2	2
BHIRA T.R.		0.52	11.30	81	0	80
RNGR+BHTSA		0.14	1.61	18	2	3
BHANDARDRA		0.77	10.16	32	31	16
ELDARY		0.52	0.57	23	21	22
SMLHY PTN		0.06	15.31	10	0	10
GHATGHAR		0.89	35.74	250	0	0
		3.27	88.86			236
PENCH (MS)						
Pench (MS)		0.15	1.86	27	0	
		0.15	1.86			
Wind						
MalharPeth		0.86	14.98			
Vankuswadi		2.13	31.90			
ATIT		0.41	9.11			
Kale		1.10	13.30			
Satara		4.53	37.29			
Shirala		0.80	13.07			
K Mahankal		0.16	14.20			
Supa		0.97	5.74			
Vita		4.25	60.06			
Dondaicha		1.62	81.53			
Sakri		0.38	17.14			
Nandurbar		0.14	10.97			
Khandke		0.96	21.61			
Khaparale		0.96	18.38			
		19.28	349.27			
CPP						
TOTAL CPP		11.68	205.48			
		11.68	205.48			
Dabhol						
RGPPL		29.27	806.70	1260	1157	1250
		29.27	806.70			1250
Tata						
Trombay 4		0.00	4.07	0	0	0
Trombay 5		8.34	200.86	415	290	500
Trombay 6		4.80	210.50	290	150	500
Trombay 7A		2.93	77.93	124	120	120
Trombay 7B		1.59	42.13	69	42	60
Trombay 8		4.43	151.92	220	160	250
TATA Hydro		4.36	116.49	384	0	447
		26.46	803.89			1877
REL						
1&2		12.54	377.76	526	510	500
		12.54	377.76			500
Cent Sect						
Share						3712
						3712
MS PG CL	Thermal	75.01	2191.97			3507
	Thml+Gas	90.86	2661.23			4147
	Hydro	5.65	205.41			1156
	Total	96.51	2866.64			5303
State Total		195.88	5411.60			12642

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	3324	97	664	4085	1215	675	519	3005	2792	-360	-336	8970	0	8970	1658	10628	49.89
2	3311	99	666	4076	1216	742	507	2925	2388	-246	-214	8735	0	8735	1547	10282	50.01
3	3346	100	666	4112	1216	806	490	2877	2495	-201	-169	8953	0	8953	1497	10450	49.96
4	3332	109	667	4108	1215	776	507	2807	2369	-132	-97	8878	0	8878	1430	10308	49.87
5	3376	99	668	4143	1215	768	510	2807	2581	-132	-99	9118	0	9118	1447	10565	49.86
6	3487	104	672	4263	1214	782	504	2807	3061	-132	-118	9706	0	9706	1513	11219	49.88
7	3397	99	666	4162	1211	768	509	3160	2848	-289	-280	9218	395	9613	1712	11325	50.02
8	3370	124	666	4160	1187	720	522	3159	3046	-289	-276	9359	587	9946	1808	11754	50.12
9	3345	198	654	4197	1176	645	535	3347	3081	-477	-452	9182	217	9399	2138	11537	50.02
10	3346	262	652	4260	1157	724	536	3666	3601	-696	-664	9614	129	9743	2444	12187	49.91
11	3279	261	659	4199	1158	769	533	3835	3562	-791	-780	9441	129	9570	2595	12165	49.96
12	3136	241	673	4050	1166	821	538	3882	3486	-814	-779	9282	129	9411	2692	12103	49.96
13	3189	162	669	4020	1197	854	529	3881	3359	-814	-783	9176	129	9305	2647	11952	49.95
14	3254	114	659	4027	1196	793	532	3833	3119	-767	-738	8929	129	9058	2500	11558	49.92
15	3116	146	661	3923	1218	864	490	3833	3257	-767	-741	9011	129	9140	2514	11654	49.85
16	2926	184	665	3775	1258	987	442	3825	3047	-767	-737	8772	129	8901	2459	11360	49.96
17	2869	184	660	3713	1258	1003	428	3825	3393	-767	-741	9054	129	9183	2460	11643	49.95
18	2821	182	659	3662	1256	943	434	3826	3788	-767	-739	9344	129	9473	2450	11923	49.85
19	2817	470	642	3929	1253	905	443	3936	3896	-758	-703	9723	1093	10816	2407	13223	49.67
20	2834	751	643	4228	1253	837	443	3715	3586	-526	-533	9839	1681	11520	2411	13931	49.60
21	2908	771	653	4332	1258	834	433	3715	3532	-526	-476	9939	1670	11609	2342	13951	49.81
22	2906	542	664	4112	1258	784	443	3696	3247	-509	-462	9409	1480	10889	2226	13115	49.84
23	2729	234	653	3616	1257	744	437	3717	3550	-548	-486	9145	1116	10261	2060	12321	49.84
24	2596	118	646	3360	1260	737	416	3352	3447	-524	-465	8755	740	9495	1907	11402	49.88
MUs	75.01	5.65	15.85	96.51	29.27	19.28	11.68	83.43	76.53	-12.60	-11.87	221.55	10.14	231.69	50.86	282.56	49.90

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 30/Aug/2010

Position as on 6.30 Hrs of 31/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.	02/09/2010
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	02/09/2010
Koradi Unit 1	105	25/08/2010	11.51		Continued.	Boiler Inspection.	02/09/2010
Nasik Unit 3	210	27/08/2010	07.50	31/08/2010	04.38	Boiler tube leakage.	
Bhusawal Unit 1	58	27/08/2010	19.40	30/08/2010	13.30	Wet coal problem.	
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 Expansion.	31/08/2010
Khaparkheda Unit 4	210	28/08/2010	23.18		Continued.	Heavy seal oil leakage of Generator	01/09/2010
Paras Unit 4	250	29/08/2010	20.20		Continued.	Flame failure.	31/08/2010
Parli Unit 4	210	30/08/2010	06.35		Continued.	L P T Diff.Expansion High.	
Dabhol 2B	230	30/08/2010	11.32		Continued.	Gas Leakage.	
Dabhol 2X	290	30/08/2010	11.32		Continued.	Gas Leakage.	
Parli Unit 3	210	30/08/2010	11.56	30/08/2010	20.37	Furnace Pressure High.	
Chandrapur Unit 3	210	30/08/2010	17.28	30/08/2010	21.20	Furnace Pressure High.	
Nasik Unit 1	125	30/08/2010	21.50		Continued.	Coal Problem.	
Chandrapur Unit 3	210	30/08/2010	22.17	31/08/2010	01.17	Trip.During Changeover of Aux.Supply.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 30/Aug/2010

Position as on 6.30 Hrs of 31/Aug/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 3	210	31/08/2010	04.30		Continued.	Vaccume Pressure Low.	
Nasik Unit 3	210	31/08/2010	04.50	31/08/2010	06.10	Due to Boiler Tripping.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2010

Position as on 6.30 Hrs of 31/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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 : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	21/08/2010	06.06		Continued.	Tripped on 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.
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	30/08/2010	16.30	Maint.Work,Ready for Charging.
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.	Dismentaling of existing ICT and commissioning of New 200MVA ICT
Boiser-PGCIL-I	30/08/2010	06.14		Continued.	Red Hot Attending.
Main Bus @ Mumewadi	30/08/2010	09.55	30/08/2010	16.09	Q.M.Work.
Bus Section - II @ Nasik	30/08/2010	11.02		Continued.	Replacement of Bus Section - II c.b. & 6 No's of C T's.
Wada-Kolshet	30/08/2010	12.17	30/08/2010	21.50	Outage.
Padgha - Nalasopara	30/08/2010	12.30	30/08/2010	22.17	Insulator Replacement.(Bkr Charged from Padgha end only)
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	30/08/2010	10.27	Over Voltage
Lonikand- Koyna Stage IV	30/08/2010	01.30	30/08/2010	08.30	H/T for O/V.
Karad-Lamboti	30/08/2010	21.48		Continued.	Over Voltage.
Dhule - Babhaleshwar - I	30/08/2010	22.50		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand-Karad	29/08/2010	06.20	30/08/2010	10.49	Over Voltage
Koyna IV - Jejuri	30/08/2010	23.38		Continued.	Over Voltage.
Koradi - Kaparkheda	31/08/2010	03.03		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.
Kalwa-Mulund II	29/08/2010	23.59	30/08/2010	00.39	Tripped.taaken on TBC.
220/33 KV 50 MVA T/F I @ Boisar II	30/08/2010	23.25		Continued.	Y Ph L V Conductor Snapped.
Voltage Level : 132KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2010

Position as on 6.30 Hrs of 31/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 31/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	49
Unit 3	105	28
Unit 4	105	0
Unit 5	200	120
Unit 6	210	135
Unit 7	210	135
	1040	467
Bhusawal		
Unit 1	58	40
Unit 2	210	150
Unit 3	210	0
	478	190
Parli		
Unit 1	30	0
Unit 2	30	18
Unit 3	210	115
Unit 4	210	0
Unit 5	210	150
Unit 6	250	275
Unit 7	250	
	1190	558
Chandrapur		
Unit 1	210	50
Unit 2	210	50
Unit 3	210	0
Unit 4	210	0
Unit 5	500	200
Unit 6	500	150
Unit 7	500	225
	2340	675
Paras		
Unit 2	55	17
Unit 3	250	130
Unit 4	250	
	555	147
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
	840	350
Nasik		
Unit 1	120	0
Unit 2	120	70
Unit 3	210	140
Unit 4	210	140
Unit 5	210	140
	870	490
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	60
TILLARI	60	46
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	33
ELDARY	23	21
SMLHY PTN	12	10
GHATGHAR	250	0
	611	271
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	3654
	3143	3654

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