



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Aug/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Aug/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	71.870	1260.614	1) Madhya Pradesh	56.729	956.169
2) Hydro	7.398	127.366	2) Gujrat	49.624	527.635
3) Gas	15.369	264.266	3) Goa	-5.847	-97.133
Total MSGENCO	94.637	1652.246	4) TAPS 1&2 (Inj.)	7.861	127.955
B) OTHERS			5) Pench (Excess)	0.000	-0.803
1) RGPPL Gas	30.738	426.370	# Total Cent. Sector	108.367	1513.823
2) Wind Generation	4.710	257.546	F) Other Exchanges		
3) CPP	6.298	86.336	1) With TPCL (Excess)	-14.306	-198.167
4) PENCH (MS)	0.000	0.803	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.153	61.409
1) TPCL Thermal	20.393	360.149	Include PX	7.534	101.077
2) TPCL Hydro	5.510	90.059	2) MUMBAI Bilateral	14.578	206.110
TOTAL TPCL	25.903	450.208	Include PX	6.390	76.864
3) REL Thermal	12.598	214.291	3) MUMBAI Schedule	15.128	211.760
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	104.861	1835.054	1) MSEDCL	230.444	3738.957
2) Hydro (A2+B3+C2)	12.908	218.228	2) TPCL	35.151	567.093
3) Gas (A3+B1)	46.107	690.636	3) REL	17.654	295.578
4) Wind (B2)	4.710	257.546	TOTAL STATE	283.249	4601.628
5) CPP (B3)	6.298	86.336			
TOTAL STATE	174.884	3087.800			

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	2661	3321	3002
MSGENCO Hydro	144	1105	95
MSGENCO Gas	644	587	664
MSGENCO Total Generation	3449	5013	3761
Central Sector Receipt	5038	4638	4047
RGPPL	1275	1273	1288
WIND	108	221	193
CPP	259	285	254
Exchange with TPCL	-925	-669	-200
MSEDCL DEMAND MET	9204	10761	9343
Load Shedding	2829	2804	1064
MSEDCL DEMAND (INCL. LS)	12033	13565	10407
TPCL GENERATION	1293	1274	775
REL GENERATION	526	526	524
TPCL+REL DEMAND	2744	2469	1499
STATE DEMAND MET	11948	13230	10842
STATE DEMAND (INCL. LS)	14777	16034	11906
Frequency (Hz)	49.85	49.45	49.86
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4268 MW AT 13.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			80.82 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.36 Hz at 06.03 Hrs	49.07 Hz at 19.37 Hrs	49.8	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 17/Aug/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.31	23.48	72	20	60
Unit 2	1.47	12.41	78	43	60
Unit 3	0.00	18.79	0	0	0
Unit 4	0.00	5.20	0	0	0
Unit 5	2.39	38.57	142	63	90
Unit 6	2.60	36.68	128	58	100
Unit 7	0.19	39.69	75	0	0
	7.96	174.83			310
Bhusawal					
Unit 1	0.00	2.24	0	0	0
Unit 2	3.03	35.60	150	80	130
Unit 3	0.00	0.00	0	0	0
	3.03	37.83			130
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.45	1.69	23	9	20
Unit 3	2.84	43.91	146	95	150
Unit 4	0.00	0.00	0	0	0
Unit 5	1.74	32.84	123	0	80
Unit 6	4.57	50.25	227	136	260
Unit 7	1.55	30.12	174	0	
	11.14	158.81			510
Chandrapur					
Unit 1	2.63	47.22	126	99	130
Unit 2	2.38	46.69	114	75	120
Unit 3	0.31	0.31	53	0	0
Unit 4	2.32	48.10	128	0	120
Unit 5	5.47	84.41	300	140	300
Unit 6	3.95	71.09	230	120	250
Unit 7	5.95	102.13	276	230	280
	23.02	399.95			1200
Paras					
Unit 2	0.00	1.67	0	0	20
Unit 3	3.39	46.37	188	96	180
Unit 4	0.20	28.04	88	0	105
	3.59	76.07			305
Khaparkheda					
Unit 1	4.04	71.90	200	130	180
Unit 2	3.16	53.82	146	116	150
Unit 3	4.08	64.26	195	140	190
Unit 4	0.00	48.44	0	0	0
	11.29	238.42			520
Nasik					
Unit 1	1.69	25.71	94	45	60
Unit 2	1.19	17.17	79	21	60
Unit 3	2.63	48.29	160	0	160
Unit 4	2.66	36.63	165	0	140
Unit 5	3.66	46.89	168	126	160
	11.84	174.69			580
Koyna					
Stage 1-2	2.88	50.90	500	35	600
Stage 4		0.00	0	0	0
Stage 3	1.44	19.28	312	0	320
	4.32	70.18			920
Kovna 12&4 Total	2.88	50.90			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.37	264.27	672	527	640
		15.37	264.27			640
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	1.74	0	0	0
TILLARI		0.04	6.11	40	0	60
BHTGR/VEER		0.19	3.47	8	8	7
BHIRA T.R.		0.49	7.47	76	0	40
RNGR+BHTSA		0.05	0.76	2	2	3
BHANDARDRA		0.36	8.50	15	15	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.53	10.05	30	20	6
GHATGHAR		1.42	19.07	250	0	0
		3.08	57.19			136
PENCH (MS)						
Pench (MS)		0.00	0.80	0	0	
		0.00	0.80			
Wind						
MalharPeth		0.26	10.32			
Vankuswadi		0.51	21.21			
ATIT		0.33	6.80			
Kale		0.25	9.08			
Satara		0.41	23.97			
Shirala		0.28	9.43			
K Mahankal		0.10	9.90			
Supa		0.07	3.88			
Vita		0.84	42.91			
Dondaicha		1.20	67.67			
Sakri		0.19	13.10			
Nandurbar		0.20	7.86			
Khandke		0.01	17.64			
Khaparale		0.07	13.78			
		4.71	257.55			
CPP						
TOTAL CPP		6.30	86.34			
		6.30	86.34			
Dabhol						
RGPPL		30.74	426.37	1290	1264	1250
		30.74	426.37			1250
Tata						
Trombay 4		0.00	4.07	0	0	0
Trombay 5		0.00	76.23	0	0	0
Trombay 6		11.04	129.52	500	350	500
Trombay 7A		2.59	40.65	109	107	120
Trombay 7B		1.29	21.66	63	0	60
Trombay 8		5.48	88.02	235	216	225
TATA Hydro		5.51	90.06	387	0	447
		25.90	450.21			1352
REL						
1&2		12.60	214.29	527	521	500
		12.60	214.29			500
Cent Sect						
Share						3723
						3723
MS PG CL	Thermal	71.87	1260.61			3555
	Thml+Gas	87.24	1524.88			4195
	Hydro	7.40	127.37			1056
	Total	94.64	1652.25			5251
State Total		174.88	3087.80			12076

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Aug/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	3147	235	659	4041	1285	185	265	3633	3836	-512	-488	9124	1107	10231	1834	12065	49.66
2	3091	95	670	3856	1288	179	259	3516	3939	-421	-391	9130	1387	10517	1691	12208	49.81
3	2994	85	671	3750	1289	211	250	3422	4082	-302	-272	9310	1250	10560	1552	12112	49.83
4	3002	95	664	3761	1288	193	254	3373	4047	-234	-200	9343	1064	10407	1499	11906	49.86
5	2932	90	672	3694	1287	154	264	3373	4173	-234	-204	9368	1074	10442	1504	11946	49.77
6	2945	173	672	3790	1290	205	249	3411	4108	-284	-250	9392	1411	10803	1612	12415	49.90
7	2886	167	666	3719	1287	212	257	3562	4031	-414	-391	9115	2200	11315	1756	13071	49.89
8	2870	90	667	3627	1288	188	255	3667	4112	-512	-488	8982	2497	11479	1868	13347	50.00
9	2736	130	654	3520	1285	254	257	3786	4542	-632	-616	9242	2742	11984	2185	14169	49.92
10	2684	172	652	3508	1278	262	271	3889	4684	-727	-719	9284	2990	12274	2471	14745	49.75
11	2623	140	649	3412	1277	139	258	4097	4856	-888	-881	9061	2918	11979	2699	14678	49.94
12	2661	144	644	3449	1275	108	259	4077	5038	-967	-925	9204	2829	12033	2744	14777	49.85
13	2790	161	644	3595	1272	101	260	4109	5454	-957	-922	9760	2466	12226	2717	14943	49.86
14	3005	122	647	3774	1270	123	261	4114	5335	-869	-832	9931	2310	12241	2615	14856	49.88
15	3103	105	644	3852	1264	141	255	4040	5154	-913	-874	9792	2678	12470	2619	15089	49.69
16	3142	90	652	3884	1273	136	259	4027	4629	-919	-886	9295	2993	12288	2621	14909	49.97
17	3179	85	640	3904	1278	203	264	3924	4646	-837	-800	9495	3004	12499	2595	15094	50.01
18	3217	114	641	3972	1279	262	257	3959	4404	-822	-781	9393	2961	12354	2580	14934	49.86
19	3198	310	646	4154	1278	270	260	3899	4386	-763	-719	9629	2869	12498	2518	15016	49.71
20	3321	1105	587	5013	1273	221	285	3699	4638	-687	-669	10761	2804	13565	2469	16034	49.45
21	3259	1135	527	4921	1279	232	282	3738	4908	-661	-611	11011	2513	13524	2406	15930	49.58
22	3116	1129	602	4847	1282	271	292	3697	4595	-566	-510	10777	2238	13015	2246	15261	49.65
23	3014	978	602	4594	1283	229	275	3631	4367	-505	-440	10308	1841	12149	2097	14246	49.59
24	2955	448	594	3997	1290	231	250	3660	4403	-505	-437	9734	1820	11554	1909	13463	49.88
MUs	71.87	7.40	15.37	94.63	30.74	4.71	6.30	90.30	108.37	-15.13	-14.31	230.44	53.97	284.41	52.81	337.21	49.80

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 17/Aug/2010

Position as on 6.30 Hrs of 18/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
Chandrapur Unit 3	210	26/05/2010	23.59	17/08/2010	14.51	Water Balancing Problem.	
Cent_Sect Kawas ST2C	116	01/07/2010	00.08	17/08/2010	14.11	Annual Overhaul.	
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	19/08/2010
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
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
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	23/08/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Elect.Fault	23/08/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Elect.Fault	23/08/2010
Koradi Unit 4	115	05/08/2010	10.02		Continued.	Condensor tube leakage.	20/08/2010
Bhusawal Unit 1	58	10/08/2010	06.05		Continued.	Wet Coal	
Tata Trombay 5	500	12/08/2010	09.55		Continued.	Boiler tube leakage.	18/08/2010
Koradi Unit 3	105	15/08/2010	14.26		Continued.	Tripped due to LT supply fail	20/08/2010
Khaparkheda Unit 4	210	16/08/2010	02.50		Continued.	Tripped on Generator side Liquid sealing leakage	19/08/2010
Paras Unit 2	55	16/08/2010	06.40		Continued.	Wet Coal Problem	
Parli Unit 5	210	17/08/2010	02.18	17/08/2010	09.04	CHP Problem	
Paras Unit 4	250	17/08/2010	02.48	18/08/2010	05.32	Low Drum Level	
Koradi Unit 7	210	17/08/2010	02.53		Continued.	Tripped P.A.Fan Problem	19/08/2010
Nasik Unit 3	210	17/08/2010	08.00	17/08/2010	11.20	Furnace Pressure High.	
Parli Unit 7	250	17/08/2010	11.14	17/08/2010	18.35	Main Steam Temp.Low.	
Cent_Sect Kawas GT1A	106	17/08/2010	13.43		Continued.	Bearing Temp.High.	
Uran Unit 5	108	17/08/2010	19.34	17/08/2010	20.51	Boiler Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 17/Aug/2010

Position as on 6.30 Hrs of 18/Aug/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Tata Trombay 7B	60	17/08/2010	20.43	18/08/2010	03.47	Hot Wel Level High.	
Chandrapur Unit 4	210	17/08/2010	21.59	18/08/2010	02.32	P A Fan Tripped.	
Uran Unit 5	108	18/08/2010	02.30	18/08/2010	03.12	Tripped,Boiler Protection Operated.	
Koradi Unit 2	105	18/08/2010	04.01	18/08/2010	05.40	Tripped,Boiler Temp.High.	
Chandrapur Unit 3	210	18/08/2010	04.26		Continued.	W/D,Low Vaccume.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Aug/2010

Position as on 6.30 Hrs of 18/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalmeshwar - Pandurna	07/08/2010	20.48		Continued.	Main Breaker Trip Ckt Faulty Indication.Ckt on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Akola - Aurangabad - I	06/08/2010	10.56		Continued.	Changeover.
Kolhapur - Mapusa - II	12/08/2010	21.27		Continued.	H/T for O/V.
Dhule-Khandwa-I	17/08/2010	23.58		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar-Pench	16/08/2010	17.45		Continued.	Hand Tripped
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)
Main Bus - I @ Lamboti.	11/08/2010	10.01		Continued.	Removing Existing Jumper & Main Bus -I to Top Bus for ICT-II.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	R.M.Work.
400/220 KV 315 MVA ICT-II @ Kharghar	17/08/2010	10.13	17/08/2010	18.19	Relay Testing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Replacement of 125 MVA ICT by 200 MVA New ICT.
Karad-Vita-II	17/08/2010	10.24	17/08/2010	13.45	Q.M.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Palghar - II	17/08/2010	10.38	17/08/2010	18.26	C.T.Replacement @ Palghar.
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	31/07/2010	23.25		Continued.	Hand Tripped.
Karad-Lamboti	16/08/2010	23.23	17/08/2010	12.45	Over Voltage.
Karad-Lamboti	18/08/2010	00.20		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Khaparkheda	24/07/2010	19.54		Continued.	Over Voltage.
Karad - Kolhapur - I	27/07/2010	18.42		Continued.	Over Voltage.
Koradi - Kaparkheda	17/08/2010	07.06	17/08/2010	08.48	Over Voltage.
Koradi - Kaparkheda	18/08/2010	01.38		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.
220/100 KV 200 MVA ICT-II @ Apta	15/08/2010	21.10		Continued.	Tripped on Diff.prot.CTR system operated
Virur - Gadchiroli	16/08/2010	23.50	17/08/2010	00.30	Distance Protection Operated Zone-1.
220/100 KV 200 MVA ICT-IV @ Apta	17/08/2010	22.22	17/08/2010	22.40	To Attend Isolator Sparking.(Taken on TBC)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	60
Unit 3	105	0
Unit 4	105	0
Unit 5	200	140
Unit 6	210	150
Unit 7	210	0
	1040	410
Bhusawal		
Unit 1	58	0
Unit 2	210	110
Unit 3	210	0
	478	110
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	158
Unit 4	210	0
Unit 5	210	110
Unit 6	250	160
Unit 7	250	170
	1190	618
Chandrapur		
Unit 1	210	120
Unit 2	210	90
Unit 3	210	50
Unit 4	210	120
Unit 5	500	225
Unit 6	500	150
Unit 7	500	230
	2340	985
Paras		
Unit 2	55	0
Unit 3	250	150
Unit 4	250	0
	555	150
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	165
Unit 4	210	0
	840	465
Nasik		
Unit 1	120	60
Unit 2	120	60
Unit 3	210	160
Unit 4	210	140
Unit 5	210	160
	870	580
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	40
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	154
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	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3827
	3143	3827

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