



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Aug/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Aug/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	72.747	1403.840	1) Madhya Pradesh	54.085	1062.197
2) Hydro	4.667	136.504	2) Gujrat	46.732	624.919
3) Gas	15.493	295.304	3) Goa	-5.750	-108.365
Total MSGENCO	92.907	1835.648	4) TAPS 1&2 (Inj.)	7.928	143.821
B) OTHERS			5) Pench (Excess)	0.000	-0.803
1) RGPPL Gas	30.369	487.238	# Total Cent. Sector	102.995	1721.769
2) Wind Generation	8.094	276.798	F) Other Exchanges		
3) CPP	10.950	103.663	1) With TPCL (Excess)	-10.697	-222.643
4) PENCH (MS)	0.000	0.803	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.760	71.969
1) TPCL Thermal	23.627	405.000	Include PX	8.141	116.400
2) TPCL Hydro	3.263	97.342	2) MUMBAI Bilateral	11.990	232.770
TOTAL TPCL	26.890	502.342	Include PX	4.307	87.654
3) REL Thermal	12.638	239.482	3) MUMBAI Schedule	11.990	238.420
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	109.012	2048.322	1) MSEDCL	234.618	4203.276
2) Hydro (A2+B3+C2)	7.930	234.649	2) TPCL	33.376	634.812
3) Gas (A3+B1)	45.862	782.542	3) REL	16.849	329.658
4) Wind (B2)	8.094	276.798	TOTAL STATE	284.843	5167.746
5) CPP (B3)	10.950	103.663			
TOTAL STATE	181.848	3445.974			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3259	3082	3112
MSGENCO Hydro	123	722	74
MSGENCO Gas	661	657	678
MSGENCO Total Generation	4043	4461	3864
Central Sector Receipt	4271	4799	3742
RGPPL	1270	1226	1282
WIND	237	224	415
CPP	476	478	441
Exchange with TPCL	-690	-513	-45
MSEDCL DEMAND MET	9607	10675	9699
Load Shedding	1563	2483	228
MSEDCL DEMAND (INCL. LS)	11170	13158	9927
TPCL GENERATION	1350	1328	843
REL GENERATION	526	525	528
TPCL+REL DEMAND	2566	2366	1416
STATE DEMAND MET	12173	13041	11115
STATE DEMAND (INCL. LS)	13736	15524	11343
Frequency (Hz)	49.94	49.75	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3683 MW AT 21.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			58.30 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.54 Hz at 06.04 Hrs	49.49 Hz at 20.58 Hrs	49.96	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 19/Aug/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.28	25.94	76	32	45
Unit 2	1.36	15.14	70	28	55
Unit 3	0.00	18.79	0	0	0
Unit 4	0.00	5.20	0	0	0
Unit 5	3.77	45.77	180	136	150
Unit 6	3.42	43.35	171	110	140
Unit 7	0.00	39.69	0	0	0
	9.82	193.88			390
Bhusawal					
Unit 1	0.00	2.24	0	0	0
Unit 2	2.61	40.30	135	70	100
Unit 3	0.00	0.00	0	0	0
	2.61	42.53			100
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.14	2.32	21	0	21
Unit 3	3.52	50.93	158	103	160
Unit 4	0.00	0.00	0	0	0
Unit 5	2.32	37.80	115	0	110
Unit 6	3.95	58.21	197	134	150
Unit 7	3.85	38.18	198	115	170
	13.77	187.43			611
Chandrapur					
Unit 1	3.18	53.25	145	108	125
Unit 2	3.25	52.69	149	120	135
Unit 3	2.55	3.42	160	0	100
Unit 4	1.48	50.26	110	0	100
Unit 5	4.66	93.24	225	170	200
Unit 6	3.32	77.98	180	90	200
Unit 7	4.52	111.62	245	134	200
	22.97	442.45			1060
Paras					
Unit 2	0.00	1.67	0	0	0
Unit 3	3.10	52.47	172	88	150
Unit 4	2.58	31.87	136	75	0
	5.68	86.01			150
Khaparkheda					
Unit 1	4.30	79.56	210	115	185
Unit 2	3.94	60.82	175	152	165
Unit 3	4.23	72.36	196	152	170
Unit 4	0.00	48.44	0	0	0
	12.48	261.17			520
Nasik					
Unit 1	0.02	27.03	16	0	0
Unit 2	0.63	18.93	63	0	60
Unit 3	2.04	52.59	130	45	120
Unit 4	1.60	40.79	140	0	0
Unit 5	1.13	51.02	129	0	120
	5.42	190.36			300
Koyna					
Stage 1-2	1.19	53.58	190	30	600
Stage 4	0.00	0.00	0	0	0
Stage 3	1.13	21.07	288	0	320
	2.32	74.65			920
Koyna 12&4 Total	1.19	53.58			600

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran					
All Units	15.49	295.30	678	508	640
	15.49	295.30			640
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	1.74	0	0	0
TILLARI	0.08	6.26	58	0	60
BHTGR/VEER	0.16	3.81	7	6	0
BHIRA T.R.	0.41	8.35	79	0	80
RNGR+BHTSA	0.06	0.87	3	2	3
BHANDARDRA	0.00	8.50	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY_PTN	0.55	11.15	31	20	15
GHATGHAR	1.09	21.16	250	0	0
	2.34	61.85			158
PENCH (MS)					
Pench (MS)	0.00	0.80	0	0	
	0.00	0.80			
Wind					
MalharPeth	0.43	11.22			
Vankuswadi	0.97	23.20			
ATIT	0.09	7.04			
Kale	0.25	9.84			
Satara	0.27	24.63			
Shirala	0.23	10.07			
K Mahankal	0.85	12.61			
Supa	0.10	4.13			
Vita	0.76	46.51			
Dondaicha	2.48	71.95			
Sakri	0.45	13.80			
Nandurbar	0.44	8.61			
Khandke	0.29	18.43			
Khaparale	0.49	14.74			
	8.09	276.80			
CPP					
TOTAL CPP	10.95	103.66			
	10.95	103.66			
Dabhol					
RGPPPL	30.37	487.24	1290	1226	1250
	30.37	487.24			1250
Tata					
Trombay 4	0.00	4.07	0	0	0
Trombay 5	9.62	90.16	500	300	400
Trombay 6	4.45	141.71	240	150	500
Trombay 7A	2.66	45.91	124	107	120
Trombay 7B	1.53	24.43	68	62	60
Trombay 8	5.36	98.71	226	220	250
TATA Hydro	3.26	97.34	369	0	447
	26.89	502.34			1777
REL					
1&2	12.64	239.48	529	522	500
	12.64	239.48			500
Cent Sect					
Share					3910
					3910
MS PG CL	Thermal	72.75	1403.84		3131
	Thml+Gas	88.24	1699.14		3771
	Hydro	4.67	136.50		1078
	Total	92.91	1835.65		4849
State Total	181.85	3445.97			12286

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 19/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	2989	74	677	3740	1290	466	451	3423	4036	-341	-281	9702	481	10183	1675	11858	49.98
2	2959	84	678	3721	1282	483	438	3227	3762	-250	-190	9496	481	9977	1559	11536	50.04
3	3074	69	677	3820	1284	482	445	3235	3670	-181	-116	9585	360	9945	1487	11432	50.14
4	3112	74	678	3864	1282	415	441	3186	3742	-113	-45	9699	228	9927	1416	11343	50.05
5	3062	79	674	3815	1282	380	452	3190	3838	-113	-42	9725	228	9953	1433	11386	50.05
6	3109	74	676	3859	1280	329	471	3379	4064	-113	-44	9959	300	10259	1455	11714	50.01
7	3061	64	676	3801	1281	277	463	3521	3991	-246	-188	9625	265	9890	1619	11509	50.02
8	3156	78	678	3912	1281	305	456	3639	4515	-364	-308	10161	613	10774	1763	12537	50.10
9	3131	129	677	3937	1277	318	462	3745	4335	-484	-429	9900	1376	11276	1961	13237	50.10
10	3290	182	671	4143	1274	341	466	3821	4002	-583	-524	9702	1748	11450	2277	13727	49.99
11	3259	123	661	4043	1270	237	476	3865	4271	-751	-690	9607	1563	11170	2566	13736	49.94
12	2985	150	508	3643	1275	210	427	3888	4686	-774	-716	9525	1592	11117	2588	13705	49.93
13	3005	129	515	3649	1273	328	431	3820	4737	-751	-706	9712	1785	11497	2504	14001	49.90
14	3081	74	553	3708	1265	381	449	3785	4364	-727	-690	9477	1967	11444	2453	13897	49.99
15	3069	64	563	3696	1261	379	456	3785	4475	-727	-684	9583	2144	11727	2483	14210	49.87
16	3027	75	647	3749	1254	356	459	3796	4437	-727	-680	9575	2059	11634	2487	14121	49.99
17	2924	76	654	3654	1261	424	448	3796	4373	-727	-685	9475	2153	11628	2491	14119	50.01
18	2991	71	663	3725	1262	377	453	3796	4133	-727	-688	9262	2650	11912	2475	14387	50.05
19	2970	324	665	3959	1259	402	470	3986	4246	-718	-682	9654	2716	12370	2430	14800	49.82
20	2982	702	666	4350	1257	281	469	3793	4412	-566	-528	10241	2704	12945	2443	15388	49.74
21	3082	722	657	4461	1226	224	478	3769	4799	-566	-513	10675	2483	13158	2366	15524	49.75
22	2899	580	663	4142	1228	222	481	3723	4832	-521	-466	10439	2222	12661	2243	14904	49.86
23	2781	513	647	3941	1232	265	453	3688	4913	-484	-426	10378	1733	12111	2111	14222	49.90
24	2744	157	669	3570	1233	211	455	3496	4359	-437	-376	9452	1668	11120	1940	13060	49.91
MUs	72.74	4.67	15.49	92.90	30.37	8.09	10.95	87.35	102.99	-11.99	-10.70	234.61	35.52	270.13	50.22	320.35	49.96

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 19/Aug/2010

Position as on 6.30 Hrs of 20/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
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	21/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	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 2	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
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	20/08/2010
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	21/08/2010
Paras Unit 2	55	16/08/2010	06.40		Continued.	Wet Coal Problem	25/08/2010
Koradi Unit 7	210	17/08/2010	02.53		Continued.	Tripped P.A.Fan Problem	20/08/2010
Nasik Unit 4	210	18/08/2010	21.10	19/08/2010	07.50	Flange Joint Heavy Leakage.	
Chandrapur Unit 3	210	18/08/2010	21.58	19/08/2010	02.05	To Attend Sparking on R Ph C T Bolt.	
Nasik Unit 1	125	19/08/2010	01.25		Continued.	Coal Mill Problem.	
Parli Unit 2	30	19/08/2010	07.23	20/08/2010	03.07	Furnace pressure high.	
Nasik Unit 5	210	19/08/2010	11.00		Continued.	Condenser Tube Leakage.	21/08/2010
Uran Unit 8	108	19/08/2010	11.36	19/08/2010	13.29	Tripped.	
Chandrapur Unit 4	210	19/08/2010	15.49		Continued.	Furnace pressure high	20/08/2010
Nasik Unit 2	125	19/08/2010	16.00	19/08/2010	21.10	Low main steam	

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 19/Aug/2010

Position as on 6.30 Hrs of 20/Aug/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
						temperature.	
Parli Unit 5	210	19/08/2010	21.32	20/08/2010	03.15	Turbine problem.	
Nasik Unit 2	125	19/08/2010	22.30	20/08/2010	04.15	Vaccum Failure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2010

Position as on 6.30 Hrs of 20/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		
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.	Over Voltage.
Dhule-Khandwa-I	17/08/2010	23.58		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	20/08/2010	01.04		Continued.	H/T for O/V.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	18/08/2010	08.06		Continued.	Annual Maintenance.
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	19/08/2010	17.08	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.	Routine Maintainance Work.
400/220KV,315 MVA ICT-I At Lonikand.	19/08/2010	08.42	19/08/2010	18.17	Retrofitting work.
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.
Babaleshwar - Ranjangaon	19/08/2010	08.37	19/08/2010	19.20	Maintenance work.
Apta-Uran-III	19/08/2010	09.17	19/08/2010	18.00	Hot spot.
KDPH ,220 KV Main Bus.	19/08/2010	09.25	19/08/2010	11.52	Jumper replacement work.
Pophali - KDPH	19/08/2010	09.25	20/08/2010	01.10	Relay problem at Pophali.
Theur-Chinchwad	19/08/2010	10.02	19/08/2010	19.03	Red Hot.
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.
Babaleshwar - Dhule - I	19/08/2010	01.55	19/08/2010	06.45	Over Voltage.
Lonikand- Koyna Stage IV	19/08/2010	18.11		Continued.	H/T for O/V.
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.
Akola - Bhusawal	18/08/2010	13.43	19/08/2010	18.37	Over Voltage @ Bhusawal.
Karad-Kolhapur-II	20/08/2010	00.55		Continued.	Tripped on O/V
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
Kaparkheda-Kalmeshwar	19/08/2010	12.31	19/08/2010	12.48	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2010

Position as on 6.30 Hrs of 20/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nardhane - Shirpur	18/08/2010	18.03	19/08/2010	05.40	Dist.Prot.Operated Z-I B Ph.
Kanhan - Mouda	19/08/2010	03.36	19/08/2010	03.51	Distance protection.
Umri - Kundalwadi	20/08/2010	05.00	20/08/2010	05.18	Distance protection.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 20/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi				852	640
Unit 1	105	25	Hydro		
Unit 2	105	30	KDPH	40	0
Unit 3	105	0	VTRNA	60	0
Unit 4	105	0	TILLARI	60	0
Unit 5	200	145	BHTGR/VEER	21	7
Unit 6	210	135	BHIRA T.R.	80	80
Unit 7	210	0	RNGR+BHTSA	20	3
	1040	335	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 1	58	0	SMLHY_PTN	12	9
Unit 2	210	130	GHATGHAR	250	0
Unit 3	210	0		611	99
	478	130	PENCH (MS)		
Parli			Pench (MS)	53	
Unit 1	30	0		53	
Unit 2	30	20	Wind		
Unit 3	210	142	MalharPeth	0	
Unit 4	210	0	Vankuswadi	0	
Unit 5	210	110	ATIT	0	
Unit 6	250	160	Kale	0	
Unit 7	250	150	Satara	0	
	1190	582	Shirala	0	
Chandrapur			K Mahankal	0	
Unit 1	210	120	Supa	0	
Unit 2	210	110	Vita	0	
Unit 3	210	160	Dondaicha	0	
Unit 4	210	0	Sakri	0	
Unit 5	500	200	Nandurbar	0	
Unit 6	500	200	Khandke	0	
Unit 7	500	250	Khaparale	0	
	2340	1040		0	
Paras			CPP		
Unit 2	55	0	TOTAL CPP	0	
Unit 3	250	150		0	
Unit 4	250	0	Dabhol		
	555	150	RGPPL	960	1250
Khaparkheda				960	1250
Unit 1	210	130	Tata		
Unit 2	210	120	Trombay 4	150	0
Unit 3	210	160	Trombay 5	500	500
Unit 4	210	0	Trombay 6	500	500
	840	410	Trombay 7A	120	120
Nasik			Trombay 7B	60	60
Unit 1	120	0	Trombay 8	250	250
Unit 2	120	15	TATA Hydro	444	447
Unit 3	210	130		2024	1877
Unit 4	210	120	REL		
Unit 5	210	0	1&2	500	500
	870	265		500	500
Koyna			Cent Sect		
Stage 1-2	600	600	Share	3143	3657
Stage 4	1000	0		3143	3657
Stage 3	320	320			
	1920	920			
Uran					
All Units	852	640			
				17376	11855