



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Jul/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.777	1924.092	1) Madhya Pradesh	50.710	1335.868
2) Hydro	6.100	216.704	2) Gujrat	28.376	490.579
3) Gas	11.954	353.871	3) Goa	-5.685	-129.154
Total MSGENCO	114.831	2494.667	4) TAPS 1&2 (Inj.)	7.203	168.217
B) OTHERS			5) Pench (Excess)	-0.061	-1.461
1) RGPPL Gas	16.021	502.623	# Total Cent. Sector	80.543	1864.049
2) Wind Generation	18.658	298.358	F) Other Exchanges		
3) CPP	5.138	121.688	1) With TPCL (Excess)	-10.350	-201.807
4) PENCH (MS)	0.061	1.461	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.250	0.865
1) TPCL Thermal	27.824	622.811	Include PX	1.200	54.753
2) TPCL Hydro	3.602	51.690	2) MUMBAI Bilateral	10.926	240.914
TOTAL TPCL	31.426	674.501	Include PX	3.325	74.355
3) REL Thermal	9.930	286.061	3) MUMBAI Schedule	10.926	240.914
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	134.531	2832.964	1) MSEDCL	224.902	5081.039
2) Hydro (A2+B3+C2)	9.763	269.855	2) TPCL	34.331	759.222
3) Gas (A3+B1)	27.975	856.494	3) REL	17.375	403.096
4) Wind (B2)	18.658	298.358	TOTAL STATE	276.608	6243.357
5) CPP (B3)	5.138	121.688			
TOTAL STATE	196.065	4379.359			

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	4225	3936	3960
MSGENCO Hydro	215	1021	43
MSGENCO Gas	498	486	507
MSGENCO Total Generation	4938	5443	4510
Central Sector Receipt	3128	3591	3251
RGPPL	667	667	669
WIND	857	699	668
CPP	207	206	225
Exchange with TPCL	-491	-548	-140
MSEDCL DEMAND MET	9306	10082	9183
Load Shedding	1474	2235	0
MSEDCL DEMAND (INCL. LS)	10780	12317	9183
TPCL GENERATION	1433	1576	883
REL GENERATION	495	261	504
TPCL+REL DEMAND	2419	2385	1527
STATE DEMAND MET	11725	12467	10710
STATE DEMAND (INCL. LS)	13199	14702	10710
Frequency (Hz)	49.86	49.53	50.05
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2421 MW AT 21.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			29.75 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.23 Hz at 18.03 Hrs	49.02 Hz at 22.09 Hrs	49.79	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 23/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.62	12.34	75	54	75
Unit 2	1.64	13.21	76	52	70
Unit 3	1.74	25.05	86	58	80
Unit 4	0.00	4.30	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	2.77	75.51	148	79	150
Unit 7	3.44	72.75	165	125	150
	11.20	203.16			525
Bhusawal					
Unit 1	0.28	1.34	19	0	25
Unit 2	1.11	59.86	160	0	0
Unit 3	3.67	75.46	165	120	170
	5.06	136.66			195
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.51	47.22	158	120	150
Unit 4	0.00	0.00	0	0	0
Unit 5	2.58	56.16	120	100	110
Unit 6	4.66	104.21	206	179	200
Unit 7	4.89	23.99	261	166	0
	15.65	231.59			460
Chandrapur					
Unit 1	3.69	68.70	161	148	160
Unit 2	3.59	69.71	153	142	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.14	92.80	195	127	190
Unit 5	7.12	38.24	345	230	300
Unit 6	0.93	136.44	310	0	0
Unit 7	8.29	106.21	399	300	350
	27.75	512.10			1140
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.98	79.89	173	65	150
Unit 4	3.45	69.14	205	53	0
	6.43	149.03			150
Khaparkheda					
Unit 1	4.35	91.91	210	160	170
Unit 2	3.85	83.52	175	136	170
Unit 3	4.20	93.38	194	163	170
Unit 4	3.99	88.51	175	160	170
	16.40	357.32			680
Nasik					
Unit 1	1.92	35.41	98	63	85
Unit 2	1.64	34.53	94	31	85
Unit 3	2.53	87.98	165	0	160
Unit 4	4.20	88.26	182	169	180
Unit 5	4.00	88.06	186	137	160
	14.29	334.24			670
Koyna					
Stage 1-2	2.43	82.74	450	35	600
Stage 4	0.00	54.74	0	0	0
Stage 3	1.68	42.63	320	0	320
	4.11	180.11			920
Kovna 12&4 Total	2.43	137.48			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		11.95	353.87	526	483	480
		11.95	353.87			480
Hydro						
KDPH		0.00	1.44	0	0	0
VTRNA		0.17	0.54	61	0	0
TILLARI		0.49	3.99	60	0	60
BHTGR/VEER		0.00	0.70	0	0	0
BHIRA T.R.		0.48	6.07	81	0	80
RNGR+BHTSA		0.08	0.37	5	3	3
BHANDARDRA		0.18	0.32	34	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.05	2.22	9	0	8
GHATGHAR		0.54	20.95	125	0	0
		1.99	36.60			151
PENCH (MS)						
Pench (MS)		0.06	1.46	24	0	
		0.06	1.46			
Wind						
MalharPeth		0.72	11.44			
Vankuswadi		1.82	28.10			
ATIT		0.28	5.87			
Kale		0.70	10.62			
Satara		1.97	28.32			
Shirala		0.49	8.97			
K Mahankal		0.07	16.80			
Supa		0.32	4.39			
Vita		2.53	55.51			
Dondaicha		5.47	72.04			
Sakri		1.10	13.87			
Nandurbar		0.62	8.62			
Khadakale		1.36	20.00			
Khaparale		1.21	13.81			
		18.66	298.36			
CPP						
TOTAL CPP		5.14	121.69			
		5.14	121.69			
Dabhol						
RGPPL		16.02	502.62	672	663	630
		16.02	502.62			630
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		8.56	239.00	500	240	500
Trombay 6		9.42	172.09	500	210	500
Trombay 7A		2.85	58.92	121	116	120
Trombay 7B		1.61	29.25	68	66	60
Trombay 8		5.39	123.55	230	210	250
TATA Hydro		3.60	51.69	435	0	447
		31.43	674.50			1877
REL						
1&2		9.93	286.06	509	249	500
		9.93	286.06			500
Cent Sect						
Share						3294
						3294
MS PG CL	Thermal	96.78	1924.09			3820
	Thml+Gas	108.73	2277.96			4300
	Hydro	6.10	216.70			1071
	Total	114.83	2494.67			5371
State Total		196.06	4379.36			11672

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Jul/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	4124	48	526	4698	669	671	223	2973	3286	-292	-262	9285	127	9412	1691	11103	49.94
2	4096	53	513	4662	670	631	227	2902	3260	-223	-185	9265	0	9265	1587	10852	50.04
3	3960	43	507	4510	669	668	225	2854	3251	-177	-140	9183	0	9183	1527	10710	50.05
4	3961	48	509	4518	670	688	227	2782	3408	-106	-67	9444	0	9444	1443	10887	50.05
5	3892	43	507	4442	671	644	227	2782	3460	-106	-67	9377	0	9377	1469	10846	50.05
6	4121	81	493	4695	669	609	227	2783	3692	-106	-68	9824	0	9824	1527	11351	49.83
7	4153	43	483	4679	671	700	196	2997	3498	-264	-246	9498	1012	10510	1726	12236	49.82
8	4247	55	493	4795	672	764	192	2997	3007	-360	-322	9108	1577	10685	1858	12543	50.01
9	4234	69	488	4791	671	747	192	3117	3130	-477	-450	9081	1572	10653	2136	12789	49.94
10	4225	215	498	4938	667	857	207	3174	3128	-518	-491	9306	1474	10780	2419	13199	49.86
11	4301	228	487	5016	666	827	216	3275	3082	-613	-603	9204	1092	10296	2651	12947	49.82
12	4145	232	492	4869	665	851	194	3320	3013	-661	-621	8971	703	9674	2707	12381	49.76
13	4073	69	497	4639	663	929	201	3348	3026	-661	-674	8784	640	9424	2687	12111	49.64
14	4087	48	488	4623	663	1059	214	3299	3549	-613	-632	9476	615	10091	2565	12656	49.64
15	3934	48	486	4468	665	875	212	3253	3439	-613	-592	9067	1019	10086	2573	12659	49.58
16	3861	83	492	4436	666	990	223	3216	3401	-613	-588	9128	1064	10192	2594	12786	49.77
17	3908	181	492	4581	666	1035	229	3257	3062	-613	-639	8934	903	9837	2554	12391	49.83
18	3866	193	496	4555	665	858	206	3256	3429	-613	-632	9081	723	9804	2501	12305	49.82
19	4052	304	507	4863	666	1026	199	3301	3644	-613	-607	9791	1234	11025	2435	13460	49.79
20	3912	788	498	5198	668	714	204	3284	3613	-580	-551	9859	2159	12018	2443	14461	49.61
21	3936	1021	486	5443	667	699	206	3289	3591	-585	-548	10082	2235	12317	2385	14702	49.53
22	3874	1004	505	5383	666	640	220	3308	3498	-561	-520	9911	1969	11880	2229	14109	49.44
23	3858	866	507	5231	668	589	241	3187	3473	-525	-470	9732	1378	11110	2107	13217	49.55
24	3955	337	504	4796	668	587	230	3128	3603	-430	-375	9509	1359	10868	1892	12760	49.68
MUs	96.78	6.10	11.95	114.83	16.02	18.66	5.14	75.08	80.54	-10.93	-10.35	224.90	22.86	247.76	51.71	299.46	49.79

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 23/Jul/2010

Position as on 6.30 Hrs of 24/Jul/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		Continued.	Water Balancing Problem.	08/08/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect NTPC (K-2)	210	30/06/2010	23.46		Continued.	Annual Overhaul.	27/07/2010
Cent_Sect NTPC(V) 9	500	01/07/2010	00.04		Continued.	Annual Overhaul.	27/07/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	04/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
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
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.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
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.	30/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	25/07/2010
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Bhusawal Unit 2	210	20/07/2010	19.00	23/07/2010	15.05	Boiler Tube Leakage.	
Uran Unit 5	108	23/07/2010	00.25	24/07/2010	01.15	Boiler Inspection.	
Chandrapur Unit 6	500	23/07/2010	03.24	24/07/2010	23.13	BLR T/L,	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2010

Position as on 6.30 Hrs of 24/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Bhadravati - III	23/07/2010	10.51	23/07/2010	12.46	To attend Y phase PG Isolator problem. Ckt was on TBC
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Kolhapur-Mapusa Ckt I	16/07/2010	18.43		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	20/07/2010	23.24		Continued.	Over Voltage.
Akola - Aurangabad - I	21/07/2010	13.10		Continued.	Changeover.
Dhule-Sar'Sarovar - II	23/07/2010	15.17		Continued.	Over Voltage
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)
400/220 KV 315 MVA ICT - I @ Aurangabad	23/07/2010	09.44	23/07/2010	17.29	Testing work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Padgha-Kamba	23/07/2010	09.15	23/07/2010	18.57	Bay maintenance, line taken on TBC at Padgha end
220/132 KV 150MVA ICT- II @ Dhule	23/07/2010	10.52	23/07/2010	13.04	To attend Isolator problem
Temghar-Colourchem	23/07/2010	15.57	23/07/2010	17.10	To replace A/R relay
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Viraj	23/07/2010	09.32	23/07/2010	13.48	Conductor replacement
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	19/06/2010	22.51		Continued.	Over Voltage
Karad-New Koyna II	21/07/2010	22.49	23/07/2010	11.30	H/T For O/V.
New Koyna - StageIV - I	23/07/2010	12.36		Continued.	Over Voltage
Karad-Lamboti	23/07/2010	19.33		Continued.	Over Voltage
C'pur-Parli II	23/07/2010	22.51	24/07/2010	05.56	Over Voltage
New Koyna - Karad - I	23/07/2010	23.47		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Koyna Stage IV - II	16/07/2010	22.58	23/07/2010	12.34	Over Voltage
Karad - Kolhapur - I	19/07/2010	19.52		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	22/07/2010	23.54	23/07/2010	08.31	Trip on O/V.
Dabhol - Nagothane - I	23/07/2010	06.43	23/07/2010	17.50	Distance Protection
Koradi - Kaparkheda	24/07/2010	19.54		Continued.	Trip on O/V.
Chandrapur-Khaparkheda	24/07/2010	19.54		Continued.	Trip 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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2010

Position as on 6.30 Hrs of 24/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lote- Dasturi	23/07/2010	11.28	23/07/2010	12.25	Distance protection
Lote - N.Koyna	23/07/2010	11.53	23/07/2010	14.45	Distance Protection
220/132KV 200MVA ICT-II at Amravati	23/07/2010	17.05	23/07/2010	22.30	Differential Protection operated
Bhandara - RLY TSS - I	23/07/2010	20.01	23/07/2010	20.15	Distance protection
Talangade - Mumewadi	24/07/2010	06.03	24/07/2010	13.08	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara-Kardha	23/07/2010	00.10	23/07/2010	01.46	Distance Protection
Girwali - Gangakhed	23/07/2010	05.44	23/07/2010	06.25	Distance protection
Amravati-Chandurbazar	23/07/2010	17.05	23/07/2010	18.20	Distance Protection
Bhandara-Mouda	23/07/2010	20.01	23/07/2010	20.34	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	75
Unit 3	105	75
Unit 4	105	0
Unit 5	200	0
Unit 6	210	130
Unit 7	210	170
	1040	525
Bhusawal		
Unit 1	58	0
Unit 2	210	140
Unit 3	210	170
	478	310
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	170
Unit 4	210	0
Unit 5	210	110
Unit 6	250	185
Unit 7	250	
	1190	465
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	350
Unit 6	500	0
Unit 7	500	350
	2340	1200
Paras		
Unit 2	55	0
Unit 3	250	150
Unit 4	250	
	555	150
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	75
Unit 2	120	70
Unit 3	210	0
Unit 4	210	160
Unit 5	210	150
	870	455
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	580

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	580
Hydro		
KDPH	40	0
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	25
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	237
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	630
	960	630
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	250
	500	250
Cent Sect		
Share	3143	3325
	3143	3325