



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Oct/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Oct/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.710	1455.652	1) Madhya Pradesh	60.356	923.220
2) Hydro	6.837	89.982	2) Gujrat	29.626	382.631
3) Gas	15.879	209.812	3) Goa	-7.252	-95.151
Total MSGENCO	139.426	1755.446	4) TAPS 1&2 (Inj.)	3.516	89.602
B) OTHERS			5) Pench (Excess)	-1.201	-10.153
1) RGPPL Gas	34.260	490.383	# Total Cent. Sector	85.045	1290.149
2) Wind Generation	3.100	51.205	F) Other Exchanges		
3) CPP / IPP	12.862	150.951	1) With TPCL (Excess)	-12.511	-183.115
4) PENCH (MS)	1.201	11.398	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.414	129.429
1) TPCL Thermal	29.310	398.922	Include PX	1.725	34.395
2) TPCL Hydro	3.818	20.741	2) MUMBAI Bilateral	13.220	193.671
TOTAL TPCL	33.128	419.663	Include PX	2.145	52.586
3) REL Thermal	9.226	172.047	3) MUMBAI Schedule	13.220	193.671
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	155.246	2026.621	1) MSEDCL	263.383	3566.417
2) Hydro (A2+B3+C2)	11.856	122.121	2) TPCL	37.363	510.686
3) Gas (A3+B1)	50.139	700.195	3) REL	17.469	264.085
4) Wind (B2)	3.100	51.205	TOTAL STATE	318.215	4341.188
5) CPP (B3)	12.862	150.951			
TOTAL STATE	233.203	3051.093			

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	4871	5139	4464
MSGENCO Hydro	466	590	56
MSGENCO Gas	655	670	672
MSGENCO Total Generation	5992	6399	5192
Central Sector Receipt	3960	4389	3094
RGPPL	1264	1548	1446
WIND	20	180	136
CPP / IPP	536	542	533
Exchange with TPCL	-564	-716	-166
MSEDCL DEMAND MET	11261	12395	10285
Load Shedding	2955	3148	1159
MSEDCL DEMAND (INCL. LS)	14216	15543	11444
TPCL GENERATION	1845	1768	851
REL GENERATION	378	260	525
TPCL+REL DEMAND	2787	2744	1542
STATE DEMAND MET	14048	15139	11827
STATE DEMAND (INCL. LS)	17003	18287	12986
Frequency (Hz)	49.72	50.01	49.85
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3904 MW AT 15.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			72.83 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 06.06 Hrs	49.36 Hz at 12.22 Hrs	49.85	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 14/Oct/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.42	14.27	70	35	70
Unit 2	1.54	19.57	70	37	65
Unit 3	1.39	21.06	66	50	65
Unit 4	0.00	0.00	0	0	0
Unit 5	3.52	48.16	167	120	150
Unit 6	3.37	35.42	161	125	145
Unit 7	1.31	43.44	130	0	0
	12.55	181.93			495
Bhusawal					
Unit 1	0.59	8.35	30	22	22
Unit 2	3.82	33.80	190	100	135
Unit 3	3.42	47.91	170	120	125
	7.83	90.06			282
Parli					
Unit 1	0.56	2.61	25	22	20
Unit 2	0.50	7.25	23	18	20
Unit 3	4.04	52.34	183	137	170
Unit 4	3.34	42.82	160	126	165
Unit 5	3.13	43.23	155	120	130
Unit 6	3.97	55.47	211	115	160
Unit 7	4.12	57.41	241	128	180
	19.67	261.13			845
Chandrapur					
Unit 1	3.69	34.18	164	145	155
Unit 2	3.69	43.06	161	138	150
Unit 3	3.79	43.84	163	143	160
Unit 4	4.02	44.08	176	152	180
Unit 5	9.76	96.83	435	390	450
Unit 6	7.25	113.71	405	0	150
Unit 7	8.74	103.34	380	340	375
	40.95	479.04			1620
Paras					
Unit 2	0.94	11.70	43	32	40
Unit 3	4.65	56.38	216	153	200
Unit 4	4.16	53.45	209	156	160
	9.75	121.53			400
Khaparkheda					
Unit 1	4.80	64.46	215	175	200
Unit 2	1.43	10.73	176	0	150
Unit 3	4.74	61.02	202	190	195
Unit 4	4.08	48.91	178	151	175
	15.04	185.12			720
Nasik					
Unit 1	1.76	20.09	88	43	90
Unit 2	1.26	10.99	91	0	80
Unit 3	4.19	52.48	190	145	175
Unit 4	0.00	0.00	0	0	0
Unit 5	3.71	53.29	171	114	195
	10.92	136.84			540
Koyna					
Stage 1-2	3.90	39.60	465	30	600
Stage 4	0.00	0.00	0	0	
Stage 3	1.09	10.68	210	0	320
	5.00	50.28			920
Kovna 12&4 Total	3.90	39.60			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.88	209.81	678	610	640
		15.88	209.81			640
Hydro						
KDPH		0.00	3.61	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.39	5.16	60	0	60
BHTGR/VEER		0.07	1.38	3	3	10
BHIRA T.R.		0.08	1.72	40	0	40
RNGR+BHTSA		0.31	4.62	13	13	6
BHANDARDRA		0.00	0.65	0	0	0
ELDARY		0.00	4.28	0	0	0
SMLHY PTN		0.08	3.50	10	0	10
GHATGHAR		0.91	14.77	250	0	0
		1.84	39.71			126
PENCH (MS)						
Pench (MS)		1.20	11.40	54	20	
		1.20	11.40			
Wind						
MalharPeth		0.06	2.26			
Vankuswadi		0.16	5.20			
ATIT		0.05	1.68			
Kale		0.05	1.91			
Satara		0.05	4.57			
Shirala		0.07	2.12			
K Mahankal		0.06	1.65			
Supa		0.09	1.12			
Vita		0.40	6.87			
Dondaicha		1.59	14.32			
Sakri		0.20	2.24			
Nandurbar		0.23	1.91			
Khandke		0.05	2.90			
Khaparale		0.05	2.44			
		3.10	51.20			
CPP						
TOTAL CPP		12.86	150.95			
		12.86	150.95			
Dabhol						
RGPPL		34.26	490.38	1568	1261	1560
		34.26	490.38			1560
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.80	156.68	490	360	500
Trombay 6		8.56	104.53	510	150	500
Trombay 7A		2.92	40.38	126	118	120
Trombay 7B		1.63	22.51	70	67	60
Trombay 8		5.40	74.82	253	150	250
TATA Hydro		3.82	20.74	418	0	447
		33.13	419.66			1877
REL						
1&2		9.23	172.05	526	258	500
		9.23	172.05			500
Cent Sect						
Share						3830
						3830
MS PG CL	Thermal	116.71	1455.65			4902
	Thml+Gas	132.59	1665.46			5542
	Hydro	6.84	89.98			1046
	Total	139.43	1755.45			6588
State Total		233.20	3051.09			14355

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Oct/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	4492	166	666	5324	1457	123	516	2868	2986	-517	-478	9978	1927	11905	1901	13806	49.74
2	4486	151	671	5308	1446	114	530	2700	2729	-341	-322	9855	1902	11757	1705	13462	49.78
3	4476	71	672	5219	1445	129	528	2628	3055	-257	-224	10202	1447	11649	1599	13248	49.76
4	4464	56	672	5192	1446	136	533	2604	3094	-235	-166	10285	1159	11444	1542	12986	49.85
5	4585	231	673	5489	1445	153	535	2580	3252	-211	-156	10768	1323	12091	1534	13625	49.85
6	4740	481	675	5896	1444	176	516	2628	2920	-259	-248	10754	1746	12500	1623	14123	49.75
7	4904	151	673	5728	1446	172	523	2989	2863	-325	-269	10513	2683	13196	1763	14959	49.87
8	5045	66	678	5789	1445	117	517	2989	2860	-325	-302	10476	2937	13413	1853	15266	49.92
9	5023	78	669	5770	1445	62	529	3132	3268	-462	-490	10637	3195	13832	2115	15947	50.00
10	4926	146	658	5730	1444	50	516	3285	3466	-586	-564	10695	3218	13913	2493	16406	49.77
11	4959	171	652	5782	1267	31	522	3307	3775	-634	-622	10807	3082	13889	2746	16635	49.79
12	4871	466	655	5992	1264	20	536	3473	3960	-662	-564	11261	2955	14216	2787	17003	49.72
13	4752	599	653	6004	1263	22	557	3567	3937	-763	-672	11162	2989	14151	2778	16929	49.72
14	4894	504	658	6056	1261	31	550	3547	4176	-744	-721	11403	2895	14298	2717	17015	49.76
15	4994	616	647	6257	1264	46	544	3539	3968	-749	-759	11370	3025	14395	2725	17120	49.73
16	5001	561	649	6211	1301	78	540	3514	3662	-749	-750	11093	3066	14159	2752	16911	49.78
17	4945	282	653	5880	1314	79	549	3510	3846	-752	-747	10972	3402	14374	2748	17122	49.85
18	5005	246	651	5902	1527	102	550	3622	3918	-689	-688	11364	3345	14709	2674	17383	49.90
19	5078	616	664	6358	1544	135	539	3978	4422	-604	-611	12407	2754	15161	2673	17834	49.91
20	5139	590	670	6399	1548	180	542	4145	4389	-724	-716	12395	3148	15543	2744	18287	50.01
21	5141	279	674	6094	1556	283	545	4121	4031	-700	-651	11911	3129	15040	2527	17567	50.06
22	5019	96	669	5784	1559	280	551	3980	3959	-628	-582	11605	3118	14723	2341	17064	49.97
23	4944	103	667	5714	1561	267	545	3473	3554	-676	-628	11065	2863	13928	2337	16265	49.92
24	4827	111	610	5548	1568	314	549	3078	2955	-628	-581	10405	2601	13006	2188	15194	49.92
MUs	116.7 1	6.84	15.88	139.43	34.26	3.10	12.86	79.26	85.04	-13.22	-12.51	263.38	63.91	327.29	54.86	382.16	49.85

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 14/Oct/2010

Position as on 6.30 Hrs of 15/Oct/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 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
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Annual Overhaul.	15/10/2010
Nasik Unit 4	210	15/09/2010	10.55		Continued.	Annual Overhaul.	11/11/2010
Cent_Sect Tarapur 1	80	10/10/2010	21.30		Continued.	Fuel refuelling.	12/11/2010
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	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/10/2010
Nasik Unit 2	125	11/10/2010	21.40	14/10/2010	04.35	Boiler Tube Leakage.	
Koradi Unit 7	210	13/10/2010	10.32	14/10/2010	12.36	Air Heater problem	
Chandrapur Unit 6	500	13/10/2010	21.11	14/10/2010	04.39	Condensor Vaccume very Low	
Khaparkheda Unit 2	210	14/10/2010	08.44		Continued.	Boiler Tube Leakage.	
Dabhol 2X	290	14/10/2010	09.34	14/10/2010	16.35	Emergency Trip Ckt Problem.	
Dabhol 2B	230	14/10/2010	09.37	14/10/2010	14.47	Trip.	
REL 2	250	14/10/2010	11.52		Continued.	Boiler Tube Leakage.	17/10/2010
Uran Unit 7	108	15/10/2010	00.10		Continued.	Filter Changing.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Oct/2010

Position as on 6.30 Hrs of 15/Oct/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		
Akola - Aurangabad- II	03/10/2010	17.38		Continued.	Over Voltage.
Wardha - Akola - II	08/10/2010	17.55		Continued.	Normal Changeover.
Dhule-S'Sarovar I	12/10/2010	01.12	14/10/2010	18.11	OverVoltage
Kolhapur - Mapusa - I	13/10/2010	23.30	14/10/2010	09.38	Over Voltage
Kolhapur - Mapusa - II	14/10/2010	22.37		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	14/10/2010	23.19		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrpur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus - II @ Koyna Stg - IV	26/09/2010	10.45		Continued.	Maintenance Work.
Jejuri-Koyna STG-IV	14/10/2010	09.25		Continued.	Bunching.
STG IV-New Koyna-II	14/10/2010	10.00		Continued.	Bunching.
Auxillary Bus @ Waluj	14/10/2010	13.30	14/10/2010	19.50	Jumpering Work.
400/220 KV 600 MVA ICT- I @ Kalwa	15/10/2010	05.12		Continued.	To Attend Red Hot Spot.
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
Main breaker of Chalisgaon-Malegaon Ckt.	27/09/2010	11.07		Continued.	Main breaker replacement.Ckt.is on TBC.
Tifil-Trombay	08/10/2010	10.18		Continued.	Erection & Stringing of M/C Towers (Loc.22-40) & Dismantleing of Old Towers upto 6.11.2010.
Khaparkheda - Kanhan - I	13/10/2010	06.36	14/10/2010	17.54	Errection on Inline Tower at Loc.No.99
Bableshwar-Nasik-I	13/10/2010	09.50		Continued.	Replacement of Old main bus I&II Isolator
Sahara-B'dying	14/10/2010	07.50	14/10/2010	19.40	Q.M.Work.
Parvati-Phursungi	14/10/2010	08.40	14/10/2010	16.53	Jumper Replacement Work.
Kalyani-Bhigwan	14/10/2010	09.15	14/10/2010	13.45	Q.M.Work.
Theur - Magarpatta	14/10/2010	09.30	14/10/2010	15.35	Q.M.Work.
Pedambe - Mahad	14/10/2010	09.45	14/10/2010	17.15	R.M.Work.
220/22KV 50MVA T/F - I @ Mahad	14/10/2010	10.05	14/10/2010	17.45	Rautine Maintenance.
Chinchwad - Hinjewadi	14/10/2010	10.08		Continued.	Line on TBC Bkr O/H Work.
ICT-II @ Kolshet	14/10/2010	10.30	14/10/2010	18.58	SFRA.
Raymond-Washala	14/10/2010	10.40		Continued.	Line on TBC Bkr O/H Work.
Lonikand-Bhosari	14/10/2010	12.58	14/10/2010	17.38	Line on TBC.
Kalwa - Ghatghar	14/10/2010	13.45	14/10/2010	14.48	Outage.
New Koyna-Pophali	14/10/2010	14.35	14/10/2010	15.55	Replacement of Defective Disc.
Kalwa-Mahape	15/10/2010	00.52		Continued.	LILO Work.
Aarey-Borivali-II	15/10/2010	03.00	15/10/2010	05.19	Hot Spot Attending.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Oct/2010

Position as on 6.30 Hrs of 15/Oct/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chinchwad - Talegaon	14/10/2010	16.47	14/10/2010	18.15	Jumper 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	13/10/2010	16.20		Continued.	Over Voltage
Lonikand- Koyna Stage IV	13/10/2010	23.34	14/10/2010	07.18	Over Voltage
Karad - Kolhapur - II	13/10/2010	23.56	14/10/2010	09.26	Over Voltage
Karad - Kolhapur - II	14/10/2010	23.19		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Dondaicha - Sahada	13/10/2010	14.12		Continued.	Line Isolator sparking
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	05/10/2010	15.44		Continued.	ICT overlading at Kalwa.
Voltage Level : 400KV			Outage Type TRIPPED		
Khadka - Deepnagar - II	29/09/2010	20.53		Continued.	DT Received @ Khadka.
400/220 KV 500 MVA ICT-II at Lamboti	10/10/2010	15.28		Continued.	Y-Ph Buchloz.
Chandrapur - Parli - I	14/10/2010	17.34		Continued.	Ckt on TBC,Main CB in Lockout,As Oil Pressure Reduced to Zero.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
220/100KV 200MVA T/F-II @APTA	15/08/2010	21.10		Continued.	Diff.Prot.CTR system operated.
Pedambe-Kharepatan	14/10/2010	15.44		Continued.	Distance Ptotection.
Apta - Tambati	14/10/2010	15.45	14/10/2010	18.15	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Oct/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	35
Unit 2	105	10
Unit 3	105	30
Unit 4	105	0
Unit 5	200	130
Unit 6	210	135
Unit 7	210	135
	1040	475
Bhusawal		
Unit 1	58	50
Unit 2	210	150
Unit 3	210	160
	478	360
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	120
Unit 4	210	120
Unit 5	210	115
Unit 6	250	150
Unit 7	250	160
	1190	705
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	160
Unit 4	210	150
Unit 5	500	425
Unit 6	500	380
Unit 7	500	400
	2340	1825
Paras		
Unit 2	55	40
Unit 3	250	200
Unit 4	250	200
	555	440
Khaparkheda		
Unit 1	210	200
Unit 2	210	0
Unit 3	210	195
Unit 4	210	175
	840	570
Nasik		
Unit 1	120	76
Unit 2	120	76
Unit 3	210	192
Unit 4	210	0
Unit 5	210	172
	870	516
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	60
BHTGR/VEER	21	6
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	126
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1229
	960	1229
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	3921
	3143	3921