



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Oct/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Oct/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	85.929	85.929	1) Madhya Pradesh	48.686	48.686
2) Hydro	5.585	5.585	2) Gujrat	40.454	40.454
3) Gas	15.536	15.536	3) Goa	-6.871	-6.871
Total MSGENCO	107.050	107.050	4) TAPS 1&2 (Inj.)	7.024	7.024
B) OTHERS			5) Pench (Excess)	-0.174	-0.174
1) RGPPL Gas	36.217	36.217	# Total Cent. Sector	89.119	89.119
2) Wind Generation	4.426	4.426	F) Other Exchanges		
3) CPP / IPP	10.846	10.846	1) With TPCL (Excess)	-13.149	-13.149
4) PENCH (MS)	0.174	0.174	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.622	8.622
1) TPCL Thermal	29.782	29.782	Include PX	4.367	4.367
2) TPCL Hydro	2.495	2.495	2) MUMBAI Bilateral	13.220	13.220
TOTAL TPCL	32.277	32.277	Include PX	3.244	3.244
3) REL Thermal	12.522	12.522	3) MUMBAI Schedule	13.220	13.220
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	128.233	128.233	1) MSEDCL	234.683	234.683
2) Hydro (A2+B3+C2)	8.254	8.254	2) TPCL	38.269	38.269
3) Gas (A3+B1)	51.753	51.753	3) REL	19.677	19.677
4) Wind (B2)	4.426	4.426	TOTAL STATE	292.629	292.629
5) CPP (B3)	10.846	10.846			
TOTAL STATE	203.512	203.512			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3578	3703	3480
MSGENCO Hydro	286	836	129
MSGENCO Gas	640	656	669
MSGENCO Total Generation	4504	5195	4278
Central Sector Receipt	3612	4227	3584
RGPPL	1542	1531	1486
WIND	284	153	99
CPP / IPP	417	504	398
Exchange with TPCL	-725	-668	-219
MSEDCL DEMAND MET	9634	10962	9626
Load Shedding	1670	2716	785
MSEDCL DEMAND (INCL. LS)	11304	13678	10411
TPCL GENERATION	1617	1639	908
REL GENERATION	523	521	521
TPCL+REL DEMAND	2865	2828	1648
STATE DEMAND MET	12499	13790	11274
STATE DEMAND (INCL. LS)	14169	16506	12059
Frequency (Hz)	50.01	49.72	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3183 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			42.46 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.56 Hz at 06.08 Hrs	49.33 Hz at 05.46 Hrs	49.89	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 01/Oct/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.14	1.14	66	38	46
Unit 2	0.00	0.00	0	0	0
Unit 3	1.17	1.17	62	35	45
Unit 4	0.00	0.00	0	0	0
Unit 5	3.01	3.01	159	75	65
Unit 6	0.00	0.00	0	0	0
Unit 7	2.90	2.90	145	105	130
	8.22	8.22			286
Bhusawal					
Unit 1	0.98	0.98	50	34	50
Unit 2	3.30	3.30	175	105	150
Unit 3	3.39	3.39	160	115	150
	7.66	7.66			350
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.55	0.55	24	22	20
Unit 3	3.23	3.23	163	120	122
Unit 4	3.85	3.85	180	146	145
Unit 5	3.17	3.17	158	106	110
Unit 6	3.31	3.31	198	54	75
Unit 7	3.54	3.54	190	90	150
	17.65	17.65			622
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.77	2.77	125	98	99
Unit 3	2.52	2.52	131	82	137
Unit 4	2.67	2.67	130	88	109
Unit 5	0.00	0.00	0	0	0
Unit 6	8.88	8.88	420	305	326
Unit 7	7.35	7.35	378	245	326
	24.20	24.20			997
Paras					
Unit 2	0.76	0.76	47	9	40
Unit 3	3.70	3.70	188	133	140
Unit 4	3.64	3.64	187	97	140
	8.10	8.10			320
Khaparkheda					
Unit 1	4.32	4.32	210	155	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.27	4.27	192	154	185
Unit 4	3.10	3.10	147	115	120
	11.69	11.69			495
Nasik					
Unit 1	1.56	1.56	71	61	71
Unit 2	0.00	0.00	0	0	0
Unit 3	3.27	3.27	170	100	142
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	3.59	161	122	122
	8.42	8.42			335
Koyna					
Stage 1-2	1.81	1.81	285	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.43	0.43	232	0	320
	2.24	2.24			920
Kovna 12&4 Total	1.81	1.81			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.54	15.54	672	616	640
		15.54	15.54			640
Hydro						
KDPH		0.90	0.90	38	36	37
VTRNA		0.00	0.00	0	0	0
TILLARI		0.18	0.18	60	0	60
BHTGR/VEER		0.07	0.07	3	3	1
BHIRA T.R.		0.18	0.18	79	0	30
RNGR+BHTSA		0.43	0.43	18	18	18
BHANDARDRA		0.20	0.20	15	0	0
ELDARY		0.51	0.51	23	18	21
SMLHY PTN		0.26	0.26	18	8	11
GHATGHAR		0.62	0.62	250	0	0
		3.35	3.35			178
PENCH (MS)						
Pench (MS)		0.17	0.17	43	0	
		0.17	0.17			
Wind						
MalharPeth		0.37	0.37			
Vankuswadi		0.74	0.74			
ATIT		0.31	0.31			
Kale		0.29	0.29			
Satara		0.68	0.68			
Shirala		0.33	0.33			
K Mahankal		0.16	0.16			
Supa		0.05	0.05			
Vita		0.85	0.85			
Dondaicha		0.20	0.20			
Sakri		0.05	0.05			
Nandurbar		0.03	0.03			
Khandke		0.16	0.16			
Khaparale		0.21	0.21			
		4.43	4.43			
CPP						
TOTAL CPP		10.85	10.85			
		10.85	10.85			
Dabhol						
RGPPL		36.22	36.22	1566	1454	1550
		36.22	36.22			1550
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.40	11.40	490	415	500
Trombay 6		8.68	8.68	510	150	500
Trombay 7A		2.85	2.85	123	112	120
Trombay 7B		1.62	1.62	68	67	60
Trombay 8		5.24	5.24	240	152	250
TATA Hydro		2.50	2.50	315	0	447
		32.28	32.28			1877
REL						
1&2		12.52	12.52	525	520	500
		12.52	12.52			500
Cent Sect						
Share						3925
						3925
MS PG CL	Thermal	85.93	85.93			3405
	Thml+Gas	101.46	101.46			4045
	Hydro	5.58	5.58			1098
	Total	107.05	107.05			5143
State Total		203.51	203.51			12995

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3524	135	668	4327	1539	141	396	3478	3588	-533	-491	9500	1155	10655	1993	12648	49.90
2	3371	129	668	4168	1515	117	397	3334	3356	-390	-341	9212	1183	10395	1811	12206	49.94
3	3353	140	670	4163	1484	104	398	3286	3513	-327	-266	9396	1024	10420	1694	12114	49.99
4	3480	129	669	4278	1486	99	398	3238	3584	-281	-219	9626	785	10411	1648	12059	50.03
5	3404	134	668	4206	1482	77	397	3214	3911	-257	-215	9858	812	10670	1645	12315	49.97
6	3392	374	671	4437	1480	89	399	3284	3918	-257	-212	10111	875	10986	1706	12692	49.75
7	3517	200	672	4389	1543	93	396	3676	3427	-350	-296	9552	1541	11093	1861	12954	50.13
8	3658	125	646	4429	1566	129	403	3714	3280	-389	-353	9454	1396	10850	1932	12782	50.00
9	3471	143	657	4271	1554	132	407	3839	3760	-461	-509	9615	1411	11026	2181	13207	49.87
10	3518	180	646	4344	1545	161	405	3876	3606	-567	-705	9356	1548	10904	2585	13489	49.95
11	3578	286	640	4504	1542	284	417	3841	3612	-644	-725	9634	1670	11304	2865	14169	50.01
12	3603	213	639	4455	1472	384	441	3842	3413	-692	-720	9445	1330	10775	2949	13724	49.84
13	3586	160	625	4371	1458	406	463	3902	3550	-692	-764	9484	1321	10805	2938	13743	49.89
14	3604	153	616	4373	1458	383	479	3827	3621	-692	-713	9601	1316	10917	2827	13744	49.87
15	3600	142	617	4359	1454	356	495	3773	3564	-692	-663	9565	1346	10911	2900	13811	49.70
16	3653	143	620	4416	1478	297	512	3771	3380	-687	-657	9426	1344	10770	2912	13682	49.85
17	3658	138	631	4427	1506	253	506	3913	3868	-687	-782	9778	1497	11275	2930	14205	49.83
18	3654	147	632	4433	1457	203	506	3907	3739	-639	-743	9638	2166	11804	2858	14662	49.90
19	3707	552	631	4890	1503	183	517	4087	4152	-648	-615	10650	2417	13067	2819	15886	49.97
20	3703	836	656	5195	1531	153	504	4116	4227	-704	-668	10962	2716	13678	2828	16506	49.72
21	3724	464	656	4844	1538	127	500	4116	4214	-706	-674	10559	2600	13159	2710	15869	49.89
22	3759	325	644	4728	1542	110	510	4079	4087	-682	-649	10355	2558	12913	2561	15474	49.90
23	3743	156	640	4539	1541	72	507	3833	4228	-635	-599	10315	2052	12367	2438	14805	49.81
24	3669	181	654	4504	1543	73	493	3696	3521	-611	-570	9591	1905	11496	2357	13853	49.71
MUs	85.93	5.58	15.54	107.05	36.22	4.43	10.85	89.64	89.12	-13.22	-13.15	234.68	37.97	272.65	57.95	330.60	49.89

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 01/Oct/2010

Position as on 6.30 Hrs of 02/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 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
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Annual Overhaul.	05/10/2010
Khaparkheda Unit 2	210	27/08/2010	23.40		Continued.	Capital Overhaul	05/10/2010
Nasik Unit 4	210	15/09/2010	10.55		Continued.	Annual Overhaul.	10/10/2010
Cent_Sect NTPC(V-6)	210	19/09/2010	13.56		Continued.	Annual overhaul.	09/10/2010
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	30/10/2010
Nasik Unit 2	125	10/09/2010	01.00		Continued.	Bunkering Problem.	03/10/2010
Koradi Unit 2	105	23/09/2010	10.32		Continued.	Bunkering Problem.	03/10/2010
Koradi Unit 6	210	29/09/2010	18.41		Continued.	Air Reheater Tripped.	02/10/2010
Chandrapur Unit 5	500	30/09/2010	03.36		Continued.	Suspected Tube Leakage.	02/10/2010
Chandrapur Unit 1	210	30/09/2010	08.46		Continued.	Furnace Pressure High.	03/10/2010
Cent_Sect NTPC(K-3)	210	30/09/2010	13.18		Continued.	Boiler Tube Leakage.	03/10/2010
Paras Unit 2	55	01/10/2010	12.10	01/10/2010	13.10	C.B.Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Oct/2010

Position as on 6.30 Hrs of 02/Oct/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	01/10/2010	09.34	01/10/2010	18.30	Bay maintenance work.
Akola - Aurangabad- II	01/10/2010	10.45		Continued.	PLCC Panel work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	21/09/2010	17.45		Continued.	Interchange
Akola - Aurangabad - I	25/09/2010	14.21		Continued.	Over Voltage.
Kolhapur-Mapusa-II	30/09/2010	22.50	01/10/2010	11.14	Over Voltage.
Kolhapur-Mapusa-II	01/10/2010	22.14		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	01/10/2010	12.30	01/10/2010	14.32	Distance Protection.
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 - II @ Koyna Stg - IV	26/09/2010	10.45		Continued.	Maintenance Work.
400/220 KV 600 MVA ICT-II @ Kalwa	30/09/2010	09.14	01/10/2010	05.12	Taken on TBC, Due to 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.
Apta-Kalwa	01/10/2010	08.06		Continued.	Interchanging of lines at 220 KV Kalwa S/stn.Up to 31/10/2010
Kalwa - Khargar	01/10/2010	08.25		Continued.	Interchanging of lines at 220 KV Kalwa S/stn.Up to 31/10/2010.
Padgha-Jambhul	01/10/2010	09.13	01/10/2010	18.50	Bay maintenance work.
220/132KV,200MVA ICT-I at Malegaon	01/10/2010	10.30	01/10/2010	14.20	Maintenance work.
220/132KV 200 MVA ICT-III @ Padegaon	01/10/2010	10.30	01/10/2010	15.00	Q.M.Work
Aurangabad - Babaleshwar	01/10/2010	11.15	01/10/2010	17.21	Isolator maint.work
220/132 KV 100 MVA ICT @ Parli - I	01/10/2010	11.26		Continued.	Replacement of isolator.
Butibori - Wardha	01/10/2010	12.38	01/10/2010	16.45	LILO arrangment for Abhijit power.
220/132 200 MVA ICT - I @ Harangul	01/10/2010	14.30	01/10/2010	18.10	OSR replacement work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kanhan - Bhandara	27/09/2010	12.30		Continued.	Main Breaker replacement
Boiser - Viraj	01/10/2010	08.46	01/10/2010	15.25	Replacement of C.T.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 600 MVA ICT-II @ Kalwa	01/10/2010	05.12	01/10/2010	07.50	To Attended Hot Spot on Y Ph IPS Tube Clamp of 29 C Isolator.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bale - Lamboti I	01/10/2010	10.15	01/10/2010	12.52	Jumper replacement.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Oct/2010

Position as on 6.30 Hrs of 02/Oct/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	26/09/2010	14.33	01/10/2010	09.56	Over Voltage.
Karad-Lamboti	28/09/2010	22.00	01/10/2010	09.02	Over Voltage
Lonikand- Koyna Stage IV	01/10/2010	00.09	01/10/2010	08.35	Over Voltage.
Chandrapur - Parli - II	01/10/2010	00.58	01/10/2010	05.28	Over Voltage.
Karad-Lamboti	01/10/2010	20.54		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	01/10/2010	23.11		Continued.	Over Voltage.
C'pur-Parli II	01/10/2010	23.44		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	27/09/2010	04.02		Continued.	Over Voltage.
Khadka - Deepnagar - II	29/09/2010	20.53		Continued.	DT Received @ Khadka.
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.
Tillary - Halkarni	01/10/2010	12.30	01/10/2010	14.26	Distance Protection.
Karad-Pedambe	01/10/2010	12.48	01/10/2010	13.15	Distance Protection.
Bhusawal-Chalisgaon-I	01/10/2010	14.25	01/10/2010	14.58	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Dondaicha - Sahada	01/10/2010	10.30	01/10/2010	14.30	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Oct/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	57
Unit 2	105	0
Unit 3	105	53
Unit 4	105	0
Unit 5	200	135
Unit 6	210	0
Unit 7	210	135
	1040	380
Bhusawal		
Unit 1	58	50
Unit 2	210	160
Unit 3	210	150
	478	360
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	152
Unit 4	210	145
Unit 5	210	130
Unit 6	250	320
Unit 7	250	0
	1190	767
Chandrapur		
Unit 1	210	0
Unit 2	210	110
Unit 3	210	120
Unit 4	210	140
Unit 5	500	0
Unit 6	500	400
Unit 7	500	350
	2340	1120
Paras		
Unit 2	55	40
Unit 3	250	130
Unit 4	250	130
	555	300
Khaparkheda		
Unit 1	210	175
Unit 2	210	0
Unit 3	210	170
Unit 4	210	150
	840	495
Nasik		
Unit 1	120	75
Unit 2	120	0
Unit 3	210	180
Unit 4	210	0
Unit 5	210	180
	870	435
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	37
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	18
BHANDARDRA	45	0
ELDARY	23	21
SMLHY PTN	12	15
GHATGHAR	250	0
	611	134
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	1561
	960	1561
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	3763
	3143	3763

	17376	7 of 7	13252
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