



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Oct/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Oct/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.157	1223.986	1) Madhya Pradesh	76.809	800.144
2) Hydro	5.191	75.295	2) Gujrat	27.760	323.479
3) Gas	15.981	178.071	3) Goa	-7.150	-80.963
Total MSGENCO	131.329	1477.352	4) TAPS 1&2 (Inj.)	3.859	82.531
B) OTHERS			5) Pench (Excess)	-0.828	-9.087
1) RGPPL Gas	29.605	420.352	# Total Cent. Sector	100.450	1116.104
2) Wind Generation	2.166	46.621	F) Other Exchanges		
3) CPP / IPP	12.623	123.594	1) With TPCL (Excess)	-12.959	-157.907
4) PENCH (MS)	0.828	9.087	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.735	109.977
1) TPCL Thermal	27.056	342.016	Include PX	2.592	30.319
2) TPCL Hydro	0.842	15.661	2) MUMBAI Bilateral	14.085	166.707
TOTAL TPCL	27.898	357.677	Include PX	3.551	47.571
3) REL Thermal	12.344	150.227	3) MUMBAI Schedule	14.085	166.707
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	149.557	1716.229	1) MSEDCL	264.042	3035.203
2) Hydro (A2+B3+C2)	6.861	100.043	2) TPCL	35.154	437.620
3) Gas (A3+B1)	45.586	598.423	3) REL	18.045	228.070
4) Wind (B2)	2.166	46.621	TOTAL STATE	317.241	3700.893
5) CPP (B3)	12.623	123.594			
TOTAL STATE	216.793	2584.910			

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	4855	5038	4052
MSGENCO Hydro	174	930	67
MSGENCO Gas	658	665	689
MSGENCO Total Generation	5687	6633	4808
Central Sector Receipt	4228	4705	3586
RGPPL	1229	1227	1252
WIND	25	98	132
CPP / IPP	689	238	690
Exchange with TPCL	-692	-676	-198
MSEDCL DEMAND MET	11217	12278	10270
Load Shedding	2944	2866	884
MSEDCL DEMAND (INCL. LS)	14161	15144	11154
TPCL GENERATION	1467	1514	773
REL GENERATION	527	522	487
TPCL+REL DEMAND	2686	2712	1458
STATE DEMAND MET	13903	14990	11728
STATE DEMAND (INCL. LS)	16847	17856	12612
Frequency (Hz)	49.96	49.97	49.98
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3996 MW At 18.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			76.72 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.43 Hz at 08.07 Hrs	49.52 Hz at 18.28 Hrs	49.91	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 12/Oct/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.57	11.18	80	53	60
Unit 2	1.63	16.42	78	53	60
Unit 3	1.61	18.05	77	57	70
Unit 4	0.00	0.00	0	0	0
Unit 5	3.26	40.92	150	120	130
Unit 6	3.25	28.23	150	124	130
Unit 7	3.25	40.60	160	120	130
	14.56	155.41			580
Bhusawal					
Unit 1	0.54	7.19	25	18	25
Unit 2	0.00	29.91	0	0	0
Unit 3	3.82	40.85	170	135	180
	4.37	77.95			205
Parli					
Unit 1	0.53	1.52	25	19	20
Unit 2	0.49	6.25	22	19	20
Unit 3	3.84	44.35	180	135	162
Unit 4	3.81	35.69	166	140	155
Unit 5	2.78	37.05	132	106	110
Unit 6	4.10	47.27	223	98	200
Unit 7	3.34	48.87	230	52	180
	18.89	221.00			847
Chandrapur					
Unit 1	3.65	26.83	155	144	150
Unit 2	3.67	35.49	171	136	140
Unit 3	3.67	36.15	167	136	150
Unit 4	3.35	37.43	187	0	160
Unit 5	8.28	77.02	405	200	250
Unit 6	8.27	98.90	425	220	250
Unit 7	7.54	86.31	405	225	250
	38.43	398.13			1350
Paras					
Unit 2	1.01	9.91	45	39	40
Unit 3	4.62	47.53	206	171	200
Unit 4	3.88	45.27	205	86	200
	9.51	102.72			440
Khaparkheda					
Unit 1	4.82	55.07	210	190	200
Unit 2	0.00	5.76	0	0	0
Unit 3	4.71	51.57	200	170	195
Unit 4	4.15	41.14	178	159	170
	13.68	153.54			565
Nasik					
Unit 1	2.02	16.42	98	68	80
Unit 2	0.00	9.73	0	0	0
Unit 3	4.31	43.90	200	140	172
Unit 4	0.00	0.00	0	0	0
Unit 5	4.38	45.19	202	130	180
	10.72	115.24			432
Koyna					
Stage 1-2	2.43	31.21	375	40	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.80	8.86	278	0	320
	3.23	40.07			920
Kovna 12&4 Total	2.43	31.21			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.98	178.07	689	637	640
		15.98	178.07			640
Hydro						
KDPH		0.00	3.61	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.41	4.39	61	0	60
BHTGR/VEER		0.09	1.23	4	3	4
BHIRA T.R.		0.08	1.56	24	0	47
RNGR+BHTSA		0.29	4.00	15	0	15
BHANDARDRA		0.02	0.65	22	0	0
ELDARY		0.00	4.28	0	0	0
SMLHY PTN		0.07	3.36	11	0	10
GHATGHAR		0.99	12.14	250	0	0
		1.96	35.23			136
PENCH (MS)						
Pench (MS)		0.83	9.09	53	0	
		0.83	9.09			
Wind						
MalharPeth		0.10	2.14			
Vankuswadi		0.29	4.87			
ATIT		0.04	1.58			
Kale		0.12	1.78			
Satara		0.45	4.47			
Shirala		0.11	1.96			
K Mahankal		0.01	1.56			
Supa		0.02	0.90			
Vita		0.42	6.23			
Dondaicha		0.37	12.34			
Sakri		0.06	2.00			
Nandurbar		0.06	1.61			
Khandke		0.05	2.82			
Khaparale		0.04	2.35			
		2.17	46.62			
CPP						
TOTAL CPP		12.62	123.59			
		12.62	123.59			
Dabhol						
RGPPL		29.60	420.35	1252	1219	1250
		29.60	420.35			1250
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.17	135.43	490	280	500
Trombay 6		6.92	88.82	490	150	500
Trombay 7A		2.94	34.54	126	119	120
Trombay 7B		1.63	19.25	69	67	60
Trombay 8		5.40	63.97	251	150	250
TATA Hydro		0.84	15.66	124	0	447
		27.90	357.68			1877
REL						
1&2		12.34	150.23	527	486	500
		12.34	150.23			500
Cent Sect						
Share						4262
						4262
MS PG CL	Thermal	110.16	1223.99			4419
	Thml+Gas	126.14	1402.06			5059
	Hydro	5.19	75.30			1056
	Total	131.33	1477.35			6115
State Total		216.79	2584.91			14004

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4058	62	686	4806	1245	179	670	3347	3605	-515	-438	10119	1915	12034	1715	13749	49.82
2	4088	57	689	4834	1250	171	680	3251	3347	-417	-335	9974	1801	11775	1604	13379	49.97
3	4087	57	686	4830	1249	189	680	3179	3548	-333	-246	10278	1403	11681	1504	13185	49.93
4	4052	67	689	4808	1252	132	690	3131	3586	-287	-198	10270	884	11154	1458	12612	49.98
5	4072	127	685	4884	1250	122	682	3083	3982	-239	-162	10758	1413	12171	1423	13594	49.93
6	4209	278	683	5170	1247	162	683	3083	3833	-239	-159	10936	1698	12634	1519	14153	49.83
7	4514	213	687	5414	1250	148	658	3377	3346	-344	-299	10517	2800	13317	1757	15074	49.98
8	4682	68	685	5435	1248	87	660	3412	3266	-377	-332	10364	3044	13408	1800	15208	49.98
9	4793	100	668	5561	1238	53	657	3441	3795	-466	-425	10879	3145	14024	1992	16016	49.93
10	4888	124	663	5675	1228	36	660	3721	3936	-671	-632	10914	3167	14081	2379	16460	49.86
11	4855	174	658	5687	1229	25	689	3857	4228	-728	-692	11217	2944	14161	2686	16847	49.96
12	4709	156	647	5512	1222	22	684	3883	4351	-756	-718	11120	2841	13961	2757	16718	49.84
13	4708	78	642	5428	1225	27	665	3908	4624	-780	-742	11279	2834	14113	2717	16830	49.95
14	4748	67	640	5455	1222	41	589	3883	4409	-756	-713	11056	2724	13780	2623	16403	49.87
15	4740	87	637	5464	1219	59	535	3901	4712	-780	-763	11279	2833	14112	2672	16784	49.89
16	4661	242	645	5548	1219	78	411	3849	4678	-799	-781	11206	2876	14082	2688	16770	49.83
17	4674	142	646	5462	1220	96	269	3849	4361	-799	-775	10686	3279	13965	2687	16652	49.81
18	4858	121	656	5635	1220	86	266	3907	4604	-727	-708	11156	3189	14345	2620	16965	49.80
19	4958	958	656	6572	1223	81	234	4137	4769	-674	-673	12259	2462	14721	2670	17391	49.83
20	5038	930	665	6633	1227	98	238	4318	4705	-722	-676	12278	2866	15144	2712	17856	49.97
21	4944	610	664	6218	1232	88	248	4271	4798	-675	-632	12002	2852	14854	2529	17383	50.11
22	4799	287	667	5753	1232	63	276	4249	5010	-651	-606	11775	2855	14630	2340	16970	50.05
23	4601	142	668	5411	1233	62	370	3865	4804	-699	-652	11275	2688	13963	2227	16190	49.92
24	4421	44	669	5134	1225	61	429	3539	4153	-651	-602	10445	2396	12841	2122	14963	49.88
MUs	110.16	5.19	15.98	131.33	29.60	2.17	12.62	88.44	100.45	-14.09	-12.96	264.04	60.91	324.95	53.20	378.15	49.91

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 12/Oct/2010

Position as on 6.30 Hrs of 13/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
Bhusawal Unit 2	210	10/10/2010	05.20	13/10/2010	21.20	BLR T/L.	
Khaparkheda Unit 2	210	11/10/2010	07.02	12/10/2010	16.51	Boiler Tube Leakage.	
Dabhol 1B	230	11/10/2010	20.12	13/10/2010	01.09	High exhaust spread.	
CPP JSW_JAIGAD	300	12/10/2010	15.23	12/10/2010	21.30	Tripped	
Chandrapur Unit 4	210	12/10/2010	20.19	13/10/2010	06.05	Axial shift high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Oct/2010

Position as on 6.30 Hrs of 13/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.
Kolhapur - Mapusa - I	11/10/2010	22.26	12/10/2010	10.39	Over Voltage.
Kolhapur-Mapusa-II	12/10/2010	23.14	13/10/2010	09.16	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Bhoisor - Bhoisor PGCIL-II	12/10/2010	15.02	12/10/2010	15.08	Trip from Bhoisor end without indication
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.
Main Bus- II @ Aurangabad	13/10/2010	09.04	13/10/2010	16.40	Commissioning work of 500MVA ICT-III
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.
Parli-Usmanabad	07/10/2010	10.19	12/10/2010	11.20	Replacement of Auxilary Bus Side & Line Side Isolator Work Under L.E.S.
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.
Pedambe - Tambati	12/10/2010	09.08	12/10/2010	19.00	Line Maintenance
Karad - Miraz - I	12/10/2010	09.45	12/10/2010	15.49	CC Replacement
220/132KV 100 MVA ICT-I @Padegaon	12/10/2010	10.38	13/10/2010	12.42	Replacement of C.T.(3NOS)
Parly - Harangool - I	12/10/2010	10.45	12/10/2010	15.55	Bus Section-I outage at Harangul
220/132 KV,200MVA, ICT-II @ Harangul.	12/10/2010	10.50	12/10/2010	15.52	Q.M. work
Bus Section-I at Harangul	12/10/2010	11.07	12/10/2010	15.40	Q.M.Work
Khaparkheda - Kanhan - II	13/10/2010	06.37	13/10/2010	21.05	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
220/132 200MVA ICT- V at Bale	13/10/2010	10.30	13/10/2010	13.15	Tan-delta measurement of HV side CT
Kanhan - Bhandara - I	13/10/2010	10.55	13/10/2010	17.38	Relay Testing work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Chalisgaon-I	12/10/2010	09.45	12/10/2010	12.00	To remove Jumpers of TBC Isolator from C.T.
Girwali - Gangakhed	12/10/2010	13.24	12/10/2010	18.27	Bus Isolator Maint.work
Harangul - Ujni	12/10/2010	14.10	12/10/2010	14.45	Breaker Maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Oct/2010

Position as on 6.30 Hrs of 13/Oct/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Lonikand - Karad @ Karad					
Bhusawal- Aurangabad	11/10/2010	17.58	13/10/2010	08.30	Over Voltage
Lonikand- Koyna Stage IV	12/10/2010	23.14	13/10/2010	05.36	Over Voltage
Lonikand- Koyna Stage IV	12/10/2010	23.16	12/10/2010	08.10	Over Voltage
Bhusawal- Aurangabad	13/10/2010	16.20		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bhoisor - Borivali	12/10/2010	15.04	12/10/2010	15.12	To control overloading on Bhoisor-Bhoisor(PGCIL)-I
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.
Karad - Kolhapur - II	07/10/2010	02:48	13/10/2010	16.20	Over Voltage.
400/220 KV 500 MVA ICT-II at Lamboti	10/10/2010	15.28		Continued.	Y-Ph Buchloz.
New Koyna - Karad - I	13/10/2010	03.25	13/10/2010	05.40	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.
220/100KV 200MVA T/F-II @APTA	15/08/2010	21.10		Continued.	Diff.Prot.CTR system operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Tamsa	12/10/2010	11.45	12/10/2010	14.10	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Oct/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	65
Unit 3	105	70
Unit 4	105	0
Unit 5	200	135
Unit 6	210	135
Unit 7	210	150
	1040	625
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	170
	478	195
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	160
Unit 4	210	155
Unit 5	210	110
Unit 6	250	200
Unit 7	250	180
	1190	845
Chandrapur		
Unit 1	210	155
Unit 2	210	165
Unit 3	210	160
Unit 4	210	0
Unit 5	500	425
Unit 6	500	350
Unit 7	500	350
	2340	1605
Paras		
Unit 2	55	40
Unit 3	250	200
Unit 4	250	125
	555	365
Khaparkheda		
Unit 1	210	190
Unit 2	210	125
Unit 3	210	190
Unit 4	210	150
	840	655
Nasik		
Unit 1	120	76
Unit 2	120	0
Unit 3	210	162
Unit 4	210	0
Unit 5	210	162
	870	400
Koyna		
Stage 1-2	600	600
Stage 4	1000	
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	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	21
GHATGHAR	250	0
	611	181
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	1580
	960	1580
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	4132
	3143	4132

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