



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Oct/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Oct/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.415	369.239	1) Madhya Pradesh	64.913	233.002
2) Hydro	4.518	18.454	2) Gujrat	24.666	128.670
3) Gas	15.739	62.440	3) Goa	-6.921	-26.287
Total MSGENCO	122.672	450.133	4) TAPS 1&2 (Inj.)	7.596	29.893
B) OTHERS			5) Pench (Excess)	-0.903	-2.882
1) RGPPL Gas	36.389	145.330	# Total Cent. Sector	89.351	362.396
2) Wind Generation	1.574	11.050	F) Other Exchanges		
3) CPP / IPP	10.273	47.866	1) With TPCL (Excess)	-14.135	-45.626
4) PENCH (MS)	0.903	2.882	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.964	37.093
1) TPCL Thermal	29.938	116.713	Include PX	1.400	12.485
2) TPCL Hydro	2.140	5.016	2) MUMBAI Bilateral	13.086	47.820
TOTAL TPCL	32.078	121.729	Include PX	2.172	10.456
3) REL Thermal	12.493	50.050	3) MUMBAI Schedule	13.086	47.820
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	144.846	536.002	1) MSEDCL	247.027	974.031
2) Hydro (A2+B3+C2)	7.561	26.352	2) TPCL	38.778	142.163
3) Gas (A3+B1)	52.128	207.770	3) REL	19.930	75.235
4) Wind (B2)	1.574	11.050	TOTAL STATE	305.735	1191.429
5) CPP (B3)	10.273	47.866			
TOTAL STATE	216.382	829.040			

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	4100	4552	4169
MSGENCO Hydro	304	409	73
MSGENCO Gas	661	663	666
MSGENCO Total Generation	5065	5624	4908
Central Sector Receipt	4110	3846	3378
RGPPL	1545	1570	1469
WIND	39	105	43
CPP / IPP	422	431	516
Exchange with TPCL	-677	-694	-273
MSEDCL DEMAND MET	10557	10929	10068
Load Shedding	2019	2857	0
MSEDCL DEMAND (INCL. LS)	12576	13786	10068
TPCL GENERATION	1686	1613	983
REL GENERATION	523	518	521
TPCL+REL DEMAND	2886	2825	1777
STATE DEMAND MET	13443	13754	11845
STATE DEMAND (INCL. LS)	15462	16611	11845
Frequency (Hz)	49.88	50.02	49.98
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2958 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			48.32 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 18:06 Hrs	49.27 Hz at 23:21 Hrs	49.86	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 04/Oct/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.27	2.04	64	0	0
Unit 2	1.48	3.78	72	40	58
Unit 3	1.55	5.56	72	55	61
Unit 4	0.00	0.00	0	0	0
Unit 5	3.35	12.68	160	123	140
Unit 6	1.21	1.21	130	0	0
Unit 7	3.46	12.56	170	130	140
	11.31	37.83			399
Bhusawal					
Unit 1	1.07	4.17	50	37	50
Unit 2	3.16	12.99	145	100	160
Unit 3	2.88	13.08	140	100	150
	7.12	30.24			360
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.53	2.14	23	20	22
Unit 3	3.44	14.48	172	129	130
Unit 4	3.38	14.73	155	123	150
Unit 5	2.99	12.54	152	95	125
Unit 6	4.30	15.54	237	97	180
Unit 7	4.23	16.53	213	153	155
	18.87	75.96			762
Chandrapur					
Unit 1	3.00	3.48	144	91	130
Unit 2	2.86	12.27	139	72	120
Unit 3	3.20	11.72	149	105	140
Unit 4	3.33	12.74	172	90	180
Unit 5	8.21	11.12	430	260	350
Unit 6	8.27	32.67	420	260	325
Unit 7	7.41	31.05	338	260	350
	36.26	115.05			1595
Paras					
Unit 2	0.65	2.50	41	21	20
Unit 3	3.68	15.02	188	125	155
Unit 4	3.60	14.45	187	110	150
	7.94	31.96			325
Khaparkheda					
Unit 1	4.46	17.70	205	150	190
Unit 2	0.00	0.00	0	0	0
Unit 3	3.08	15.02	196	0	180
Unit 4	3.60	9.13	173	125	170
	11.15	41.85			540
Nasik					
Unit 1	1.74	6.78	91	53	85
Unit 2	0.00	0.00	0	0	0
Unit 3	4.07	14.70	200	140	160
Unit 4	0.00	0.00	0	0	0
Unit 5	3.97	14.85	196	125	160
	9.77	36.34			405
Koyna					
Stage 1-2	1.54	6.16	165	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.57	1.94	174	0	320
	2.10	8.10			920
Kovna 12&4 Total	1.54	6.16			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.74	62.44	677	617	640	
	15.74	62.44			640	
Hydro						
KDPH	0.24	1.74	37	0	0	
VTRNA	0.00	0.00	0	0	0	
TILLARI	0.36	1.39	60	0	60	
BHTGR/VEER	0.00	0.17	0	0	0	
BHIRA T.R.	0.10	0.45	40	0	80	
RNGR+BHTSA	0.32	1.23	18	2	15	
BHANDARDRA	0.00	0.63	0	0	0	
ELDARY	0.51	2.03	22	21	10	
SMLHY PTN	0.29	1.08	20	10	13	
GHATGHAR	0.60	1.62	125	0	0	
	2.41	10.35			178	
PENCH (MS)						
Pench (MS)	0.90	2.88	53	0	0	
	0.90	2.88			0	
Wind						
MalharPeth	0.06	0.74				
Vankuswadi	0.24	1.85				
ATIT	0.03	0.50				
Kale	0.04	0.57				
Satara	0.24	1.38				
Shirala	0.06	0.61				
K Mahankal	0.00	0.72				
Supa	0.06	0.23				
Vita	0.25	2.01				
Dondaicha	0.11	0.66				
Sakri	0.01	0.13				
Nandurbar	0.02	0.08				
Khandke	0.32	0.94				
Khaparale	0.15	0.63				
	1.57	11.05				
CPP						
TOTAL CPP	10.27	47.87				
	10.27	47.87				
Dabhol						
RGPPL	36.39	145.33	1570	1465	1550	
	36.39	145.33			1550	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	11.73	46.53	490	470	500	
Trombay 6	8.56	31.59	510	150	500	
Trombay 7A	2.84	11.41	123	97	120	
Trombay 7B	1.48	6.32	68	0	60	
Trombay 8	5.33	20.86	250	160	250	
TATA Hydro	2.14	5.02	270	0	447	
	32.08	121.73			1877	
REL						
1&2	12.49	50.05	525	517	500	
	12.49	50.05			500	
Cent Sect						
Share					3692	
					3692	
MS PG CL	Thermal	102.42	369.24		4386	
	Thml+Gas	118.15	431.68		5026	
	Hydro	4.52	18.45		1098	
	Total	122.67	450.13		6124	
State Total		216.38	829.04		13743	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4217	73	667	4957	1467	70	524	3253	3254	-249	-483	9842	0	9842	2114	11956	49.80
2	4191	83	668	4942	1467	70	526	3110	3254	-225	-376	9910	0	9910	1952	11862	49.89
3	4169	73	667	4909	1469	75	521	2994	3456	-168	-373	10084	0	10084	1820	11904	50.04
4	4169	73	666	4908	1469	43	516	2898	3378	-145	-273	10068	0	10068	1777	11845	49.98
5	4169	78	663	4910	1469	38	520	2874	3256	-235	-204	10017	261	10278	1748	12026	49.89
6	4230	198	666	5094	1481	32	517	2874	3469	-145	-220	10373	902	11275	1797	13072	49.79
7	4316	123	665	5104	1489	20	507	3239	3513	-347	-357	10276	1361	11637	1934	13571	49.81
8	4306	103	670	5079	1467	18	439	3239	3750	-433	-424	10329	1526	11855	1994	13849	49.93
9	4313	128	677	5118	1467	14	418	3411	3644	-443	-593	10095	2034	12129	2245	14374	49.92
10	4262	161	663	5086	1465	16	414	3685	4020	-570	-741	10313	1982	12295	2605	14900	49.95
11	4100	304	661	5065	1545	39	422	3729	4110	-647	-677	10557	2019	12576	2886	15462	49.88
12	4147	303	657	5107	1541	61	433	3873	4163	-729	-827	10531	1988	12519	2931	15450	49.87
13	4112	222	643	4977	1534	72	426	3801	4340	-729	-749	10651	1959	12610	2928	15538	49.82
14	4150	109	625	4884	1533	70	424	3758	4249	-681	-722	10489	2100	12589	2890	15479	49.85
15	4242	227	628	5097	1530	93	428	3883	3820	-777	-787	10232	2189	12421	2896	15317	49.75
16	4262	264	617	5143	1530	96	431	3747	3820	-846	-804	10267	2107	12374	2987	15361	49.80
17	4317	142	631	5090	1530	90	430	3716	3627	-822	-801	10019	2324	12343	2947	15290	49.80
18	4445	108	629	5182	1535	67	437	3654	3594	-774	-750	10118	2227	12345	2839	15184	49.78
19	4568	261	636	5465	1563	74	425	3568	3631	-622	-644	10566	2671	13237	2845	16082	49.91
20	4552	409	663	5624	1570	105	431	3848	3846	-694	-694	10929	2857	13786	2825	16611	50.02
21	4562	358	667	5587	1568	118	268	3773	3943	-694	-653	10853	2398	13251	2593	15844	49.92
22	4322	310	670	5302	1568	116	272	3480	3844	-670	-630	10492	2302	12794	2456	15250	49.87
23	4214	157	669	5040	1570	101	271	3391	3972	-710	-666	10340	2051	12391	2372	14763	49.84
24	4080	251	671	5002	1562	76	273	3197	3398	-735	-687	9676	1858	11534	2325	13859	49.63
MUs	102.4 1	4.52	15.74	122.67	36.39	1.57	10.27	83.00	89.35	-13.09	-14.14	247.03	39.12	286.14	58.71	344.85	49.86

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 04/Oct/2010

Position as on 6.30 Hrs of 05/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
Cent_Sect TARAPUR-3	540	03/10/2010	22.03		Continued.	Steam line work.	14/10/2010
Cent_Sect sipat-5	500	04/10/2010	01.58		Continued.	Boiler revalidation.	10/10/2010
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.	05/10/2010
Koradi Unit 6	210	29/09/2010	18.41	04/10/2010	11.17	Air Reheater Tripped.	
Koradi Unit 1	105	02/10/2010	13.38	04/10/2010	16.27	BLR T/L.	
Tata Trombay 7B	60	04/10/2010	02.22	04/10/2010	04.03	Low vaccum	
Khaparkheda Unit 3	210	04/10/2010	09.42	04/10/2010	12.26	Tripped on flame failure.	
Khaparkheda Unit 3	210	04/10/2010	12.34	04/10/2010	14.22	Gas temperature high.	
CPP JSW_JAIGAD	300	04/10/2010	20.00	05/10/2010	04.06	Tripped	
CPP JSW_JAIGAD	300	05/10/2010	04.40		Continued.	Parameter variation.	06/10/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2010

Position as on 6.30 Hrs of 05/Oct/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	21/09/2010	17.45		Continued.	Interchange
Kolhapur-Mapusa-II	01/10/2010	22.14	04/10/2010	10.30	Over Voltage.
Dhule-Sar'Sarovar - I	03/10/2010	13.44	04/10/2010	08.24	For Dhule ICT loading.
Akola - Aurangabad- II	03/10/2010	17.38		Continued.	Over Voltage.
Kolhapur - Mapusa - I	04/10/2010	22.44		Continued.	Over Voltage
Dhule - S'Sarovar- II	04/10/2010	22.45		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.
400/220 KV 315MVA ICT-II @ Kolhapur	04/10/2010	12.10	04/10/2010	16.12	Q.M and Testing work.
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.	Dismentaling 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.
220/132 KV 100 MVA ICT @ Parli - I	01/10/2010	11.26		Continued.	Replacement of isolator.
220/132 KV 100 MVA ICT @ Bhandara	02/10/2010	17.28	04/10/2010	16.58	L.V.Bkr.replacement work.
220/132 KV 250 MVA ICT at Ambazari	03/10/2010	06.00		Continued.	Oil filtration of ICT.
Bableshwar-Nasik-I	04/10/2010	07.50		Continued.	For replacement of old Aux.Bus(29C)isolator and line isolator(29D)under LES.
Akola - Badnera - I	04/10/2010	09.39	04/10/2010	16.57	Maintenance of line side isolator and Q.M.work.
Karad - Nigade	04/10/2010	10.54	04/10/2010	15.34	Q.M.Work.
Main Bus-I & Bus Section @ Parli - I	04/10/2010	11.34	04/10/2010	18.42	Replacement of Main Bus-I section isolator clamp.
RLY TSS CKT-I AT WARORA	04/10/2010	13.25	04/10/2010	16.30	Testing work of CT and PT.
Kalwa - Borivali	04/10/2010	16.31	04/10/2010	18.21	Replacement of isolator work.
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.
Karad - Kolhapur - I	02/10/2010	23.12		Continued.	Over Voltage.
Bhusawal- Aurangabad	03/10/2010	18.02		Continued.	Over Voltage.
Karad-Lamboti	03/10/2010	20.08	04/10/2010	11.38	Over Voltage.
Lonikand- Koyna Stage IV	04/10/2010	00.04	04/10/2010	08.28	Over Voltage
Karad-Lamboti	04/10/2010	23.31		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	05/10/2010	00.03		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2010

Position as on 6.30 Hrs of 05/Oct/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khadka - Deepnagar - II	29/09/2010	20.53		Continued.	DT Received @ Khadka.
400/220KV 315MVA ICT-II @ New Koyna	04/10/2010	11.43		Continued.	NDR Operated.
Chandrapur - Parli - I	04/10/2010	15.50	04/10/2010	16.24	Distance protection.
Dabhol-Nagothane - II	04/10/2010	18.35	04/10/2010	19.22	Distance protection.
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	03/10/2010	19.37	04/10/2010	17.40	Distance protection.
Apta-Kalwa	04/10/2010	14.00	04/10/2010	14.56	Distance protection.
Kalwa-Taloja	04/10/2010	14.00	04/10/2010	14.33	Distance protection.
Nasik - Ghatghar	04/10/2010	16.07	04/10/2010	16.42	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Oct/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	150
Unit 6	210	140
Unit 7	210	160
	1040	660
Bhusawal		
Unit 1	58	50
Unit 2	210	150
Unit 3	210	130
	478	330
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	172
Unit 4	210	140
Unit 5	210	115
Unit 6	250	320
Unit 7	250	0
	1190	767
Chandrapur		
Unit 1	210	100
Unit 2	210	90
Unit 3	210	140
Unit 4	210	100
Unit 5	500	350
Unit 6	500	300
Unit 7	500	300
	2340	1380
Paras		
Unit 2	55	40
Unit 3	250	150
Unit 4	250	150
	555	340
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	160
Unit 4	210	170
	840	520
Nasik		
Unit 1	120	70
Unit 2	120	0
Unit 3	210	150
Unit 4	210	0
Unit 5	210	160
	870	380
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	22
SMLHY PTN	12	13
GHATGHAR	250	0
	611	186
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	1548
	960	1548
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	3477
	3143	3477

	17376	7 of 7	13525
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