



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Oct/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Oct/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.763	473.002	1) Madhya Pradesh	60.060	293.062
2) Hydro	6.527	24.981	2) Gujrat	25.593	154.263
3) Gas	15.754	78.194	3) Goa	-6.862	-33.149
Total MSGENCO	126.044	576.177	4) TAPS 1&2 (Inj.)	7.596	37.489
B) OTHERS			5) Pench (Excess)	-0.880	-3.762
1) RGPPL Gas	37.104	182.434	# Total Cent. Sector	85.507	447.903
2) Wind Generation	2.118	13.168	F) Other Exchanges		
3) CPP / IPP	10.431	58.297	1) With TPCL (Excess)	-15.038	-60.664
4) PENCH (MS)	0.880	3.762	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.813	48.196
1) TPCL Thermal	28.596	145.309	Include PX	1.919	16.364
2) TPCL Hydro	1.784	6.800	2) MUMBAI Bilateral	15.689	65.071
TOTAL TPCL	30.380	152.109	Include PX	4.929	17.101
3) REL Thermal	12.519	62.569	3) MUMBAI Schedule	15.689	65.071
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	144.878	680.880	1) MSEDCL	247.046	1221.077
2) Hydro (A2+B3+C2)	9.191	35.543	2) TPCL	38.344	180.507
3) Gas (A3+B1)	52.858	260.628	3) REL	19.488	94.723
4) Wind (B2)	2.118	13.168	TOTAL STATE	304.878	1496.307
5) CPP (B3)	10.431	58.297			
TOTAL STATE	219.476	1048.516			

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	4451	4343	4145
MSGENCO Hydro	290	542	138
MSGENCO Gas	641	652	675
MSGENCO Total Generation	5382	5537	4958
Central Sector Receipt	3828	3805	2974
RGPPL	1546	1566	1565
WIND	22	131	171
CPP / IPP	482	504	256
Exchange with TPCL	-766	-697	-249
MSEDCL DEMAND MET	10521	10899	9705
Load Shedding	1769	3015	705
MSEDCL DEMAND (INCL. LS)	12290	13914	10410
TPCL GENERATION	1610	1533	911
REL GENERATION	523	519	521
TPCL+REL DEMAND	2899	2749	1681
STATE DEMAND MET	13420	13648	11386
STATE DEMAND (INCL. LS)	15189	16663	12091
Frequency (Hz)	49.94	49.98	49.86
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2936 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			45.23 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.4 Hz at 18:01 Hrs	49.35 Hz at 00:34 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 05/Oct/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.52	3.56	70	52	70
Unit 2	1.63	5.41	75	47	70
Unit 3	1.54	7.10	71	60	70
Unit 4	0.00	0.00	0	0	0
Unit 5	3.73	16.41	169	135	150
Unit 6	3.37	4.58	152	127	140
Unit 7	3.69	16.26	160	145	160
	15.48	53.32			660
Bhusawal					
Unit 1	0.71	4.88	47	17	50
Unit 2	2.98	15.97	165	0	150
Unit 3	3.19	16.27	165	100	130
	6.88	37.12			330
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.52	2.66	24	18	20
Unit 3	3.94	18.43	186	120	172
Unit 4	3.42	18.15	163	126	140
Unit 5	2.92	15.46	149	103	115
Unit 6	3.22	18.76	225	0	320
Unit 7	4.62	21.16	242	153	0
	18.65	94.61			767
Chandrapur					
Unit 1	1.70	5.18	115	0	100
Unit 2	1.84	14.11	114	54	90
Unit 3	2.33	14.05	116	71	140
Unit 4	2.39	15.13	126	60	100
Unit 5	8.38	19.50	430	250	350
Unit 6	7.87	40.54	420	245	300
Unit 7	8.65	39.70	440	252	300
	33.17	148.22			1380
Paras					
Unit 2	0.52	3.02	41	0	40
Unit 3	3.40	18.42	180	101	150
Unit 4	3.59	18.04	181	135	150
	7.51	39.47			340
Khaparkheda					
Unit 1	4.55	22.26	210	170	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.39	19.40	194	153	160
Unit 4	4.01	13.14	179	146	170
	12.95	54.80			520
Nasik					
Unit 1	1.89	8.67	92	67	70
Unit 2	0.04	0.04	14	0	0
Unit 3	3.66	18.36	190	120	150
Unit 4	0.00	0.00	0	0	0
Unit 5	3.54	18.40	177	121	160
	9.13	45.46			380
Koyna					
Stage 1-2	1.40	7.57	200	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.54	2.48	228	0	320
	1.94	10.05			920
Kovna 12&4 Total	1.40	7.57			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.75	78.19	679	626	640	
	15.75	78.19			640	
Hydro						
KDPH	0.89	2.63	38	37	36	
VTRNA	0.00	0.00	0	0	0	
TILLARI	0.37	1.76	62	0	60	
BHTGR/VEER	0.18	0.35	8	7	0	
BHIRA T.R.	0.19	0.64	80	0	40	
RNGR+BHTSA	0.45	1.68	20	16	15	
BHANDARDRA	0.00	0.63	0	0	0	
ELDARY	0.51	2.54	22	21	22	
SMLHY PTN	0.39	1.47	25	13	13	
GHATGHAR	1.61	3.24	250	0	0	
	4.58	14.94			186	
PENCH (MS)						
Pench (MS)	0.88	3.76	53	27		
	0.88	3.76				
Wind						
MalharPeth	0.10	0.83				
Vankuswadi	0.32	2.17				
ATIT	0.03	0.53				
Kale	0.14	0.71				
Satara	0.41	1.79				
Shirala	0.17	0.78				
K Mahankal	0.00	0.72				
Supa	0.06	0.28				
Vita	0.40	2.41				
Dondaicha	0.05	0.72				
Sakri	0.04	0.18				
Nandurbar	0.01	0.09				
Khandke	0.19	1.14				
Khaparale	0.19	0.81				
	2.12	13.17				
CPP						
TOTAL CPP	10.43	58.30				
	10.43	58.30				
Dabhol						
RGPPL	37.10	182.43	1573	1474	1548	
	37.10	182.43			1548	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	11.28	57.82	490	410	500	
Trombay 6	7.46	39.05	500	150	500	
Trombay 7A	2.90	14.31	124	118	120	
Trombay 7B	1.61	7.94	68	67	60	
Trombay 8	5.33	26.19	247	160	250	
TATA Hydro	1.78	6.80	248	0	447	
	30.38	152.11			1877	
REL						
1&2	12.52	62.57	525	518	500	
	12.52	62.57			500	
Cent Sect						
Share					3477	
					3477	
MS PG CL	Thermal	103.76	473.00		4377	
	Thml+Gas	119.52	551.20		5017	
	Hydro	6.53	24.98		1106	
	Total	126.04	576.18		6123	
State Total		219.48	1048.52		13525	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4046	258	674	4978	1560	106	251	3060	3050	-607	-556	9439	1141	10580	2076	12656	49.62
2	4075	138	675	4888	1566	134	269	2919	2950	-465	-419	9438	1151	10589	1878	12467	49.79
3	4181	138	677	4996	1565	196	288	2825	2878	-360	-328	9645	925	10570	1760	12330	49.81
4	4145	138	675	4958	1565	171	256	2731	2974	-265	-249	9705	705	10410	1681	12091	49.86
5	4265	133	676	5074	1562	135	275	2708	2957	-241	-299	9755	784	10539	1758	12297	49.76
6	4416	258	679	5353	1561	107	274	2756	3010	-289	-261	10095	1002	11097	1719	12816	49.69
7	4530	158	675	5363	1561	90	307	3070	2764	-419	-384	9728	1524	11252	1922	13174	49.83
8	4509	133	672	5314	1554	44	380	3176	3177	-419	-393	10104	1499	11603	1930	13533	49.80
9	4400	150	660	5210	1550	39	467	3551	3729	-637	-625	10397	1495	11892	2187	14079	49.85
10	4436	210	657	5303	1544	31	483	3801	3826	-740	-744	10470	1550	12020	2602	14622	49.80
11	4451	290	641	5382	1546	22	482	3928	3828	-793	-766	10521	1769	12290	2899	15189	49.94
12	4430	228	630	5288	1516	25	481	3993	3719	-875	-837	10219	1885	12104	2974	15078	49.85
13	4226	257	636	5119	1475	33	499	3968	4276	-851	-818	10611	1759	12370	2963	15333	49.88
14	4316	388	631	5335	1474	44	523	3954	3806	-828	-797	10412	1686	12098	2887	14985	49.84
15	4329	387	626	5342	1492	77	546	3747	3999	-852	-827	10656	1739	12395	2963	15358	49.85
16	4279	307	638	5224	1533	78	528	3593	3899	-846	-830	10462	1718	12180	2969	15149	49.89
17	4316	266	638	5220	1536	81	532	3593	3830	-847	-824	10428	1884	12312	2877	15189	49.87
18	4426	271	655	5352	1538	91	526	3551	3849	-823	-808	10578	1928	12506	2746	15252	49.88
19	4471	490	648	5609	1551	166	510	3572	3613	-703	-670	10806	2812	13618	2742	16360	49.95
20	4343	542	652	5537	1566	131	504	3670	3805	-718	-697	10899	3015	13914	2749	16663	49.98
21	4395	372	656	5423	1572	89	502	3744	4125	-790	-743	10998	2668	13666	2573	16239	50.03
22	4361	442	658	5461	1573	61	516	3715	4041	-790	-745	10935	2518	13453	2432	15885	50.03
23	4253	387	661	5301	1572	84	511	3585	3933	-767	-714	10740	2289	13029	2346	15375	49.98
24	4164	186	664	5014	1572	83	521	3495	3469	-767	-704	10005	2081	12086	2304	14390	49.95
MUs	103.76	6.53	15.75	126.04	37.10	2.12	10.43	82.70	85.51	-15.69	-15.04	247.05	41.53	288.57	57.94	346.51	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 05/Oct/2010

Position as on 6.30 Hrs of 06/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	05/10/2010	13.35	Bunkering Problem.	
CPP JSW_JAIGAD	300	04/10/2010	20.00	05/10/2010	04.06	Tripped	
CPP JSW_JAIGAD	300	05/10/2010	04.40	05/10/2010	06.38	Parameter variation.	
Bhusawal Unit 2	210	05/10/2010	08.00	05/10/2010	08.56	Furnace draught.	
Paras Unit 2	55	05/10/2010	09.10	05/10/2010	17.30	BFP Problem.	
Parli Unit 6	250	05/10/2010	11.58	05/10/2010	17.29	less air flow.	
Chandrapur Unit 1	210	05/10/2010	13.48	05/10/2010	17.10	Furnace pressure high.	
Nasik Unit 2	125	05/10/2010	16.55		Continued.	HP Differential.	07/10/2010
CPP JSW_JAIGAD	300	06/10/2010	03.37		Continued.	Cooling water.	08/10/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Oct/2010

Position as on 6.30 Hrs of 06/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
Akola - Aurangabad- II	03/10/2010	17.38		Continued.	Over Voltage.
Kolhapur - Mapusa - I	04/10/2010	22.44	05/10/2010	09.31	Over Voltage
Dhule - S'Sarovar- II	04/10/2010	22.45	05/10/2010	10.38	Over Voltage.
Kolhapur - Mapusa - II	05/10/2010	22.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	05/10/2010	16.24		Continued.	Main I and II protection operated R Ph.
Padgha -Tarapur - I	05/10/2010	18.46	05/10/2010	19.32	Distance protection, Main I and II protection operated.
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.
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.
220/132 KV 100 MVA ICT @ Parli - I	01/10/2010	11.26		Continued.	Replacement of isolator.
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	05/10/2010	23.10	For replacement of old Aux.Bus(29C)isolator and line isolator(29D)under LES.
Main Bus-I at Lonand	05/10/2010	09.00	05/10/2010	10.10	Isolator jumper replacement of kandalgaon line.
220/100KV 100 MVA ICT- II @ Tambati	05/10/2010	09.00		Continued.	Breaker overhauling and bay maintenance work.
Karad-Pedambe	05/10/2010	09.15	05/10/2010	15.32	Disc insulator replacement .
220KV TBC At 400Kv Koradi	05/10/2010	09.50		Continued.	Replacement of 29(C)isolator of 220KV TBC.
220/132KV,200MVA ICT.III at Nanded	05/10/2010	10.06	05/10/2010	12.50	For attending oil leakage from OLTC.
Parli-Usmanabad	05/10/2010	10.06	05/10/2010	18.02	W.T.commissioningwork.
Main Bus-II At Aurangabad.	05/10/2010	10.31	05/10/2010	19.30	Dismantling work of jumper of Jalna feeder.
Chandrapur- Rly TSS - II	05/10/2010	11.17	05/10/2010	18.16	Removing of energy meter.
Pawas-Kharepatan	05/10/2010	12.10	05/10/2010	14.03	Maintenance of air compressor of C.B.
Pawas-New Koyna	05/10/2010	14.18	05/10/2010	16.02	Maintenance of air compressor of line C.B
220/132 KV 200 MVA ICT- I @ Harangul	05/10/2010	15.20	05/10/2010	18.56	Y Ph.OLTC replacement 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 05/Oct/2010

Position as on 6.30 Hrs of 06/Oct/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Lonikand - Karad @ Karad					
Karad - Kolhapur - I	02/10/2010	23.12		Continued.	Over Voltage.
Bhusawal- Aurangabad	03/10/2010	18.02		Continued.	Over Voltage.
Karad-Lamboti	04/10/2010	23.31	05/10/2010	08.38	Over Voltage.
Lonikand- Koyna Stage IV	05/10/2010	00.03	05/10/2010	08.40	Over Voltage.
Lonikand- Koyna Stage IV	05/10/2010	22.51		Continued.	Over Voltage.
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.
400/220KV 315MVA ICT-II @ New Koyna	04/10/2010	11.43	05/10/2010	18.38	NDR Operated.
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.
220/132 KV 100 MVA ICT-II @ Kanhan	05/10/2010	15.49	05/10/2010	18.53	Differential protection operated.
Mulund-Trombay	05/10/2010	16.15		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Oct/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	72
Unit 2	105	61
Unit 3	105	67
Unit 4	105	0
Unit 5	200	130
Unit 6	210	144
Unit 7	210	151
	1040	625
Bhusawal		
Unit 1	58	25
Unit 2	210	150
Unit 3	210	150
	478	325
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	100
Unit 4	210	130
Unit 5	210	100
Unit 6	250	160
Unit 7	250	160
	1190	670
Chandrapur		
Unit 1	210	120
Unit 2	210	100
Unit 3	210	100
Unit 4	210	160
Unit 5	500	300
Unit 6	500	300
Unit 7	500	325
	2340	1405
Paras		
Unit 2	55	20
Unit 3	250	150
Unit 4	250	150
	555	320
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	190
Unit 4	210	170
	840	550
Nasik		
Unit 1	120	90
Unit 2	120	0
Unit 3	210	150
Unit 4	210	0
Unit 5	210	160
	870	400
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	62
BHTGR/VEER	21	18
BHIRA T.R.	80	80
RNGR+BHTSA	20	20
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	236
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	1575
	960	1575
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	3768
	3143	3768

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