



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Sep/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.167	1953.547	1) Madhya Pradesh	54.852	1650.894
2) Hydro	5.544	211.602	2) Gujrat	40.025	913.385
3) Gas	15.660	436.326	3) Goa	-6.599	-162.034
Total MSGENCO	110.371	2601.475	4) TAPS 1&2 (Inj.)	7.044	209.242
B) OTHERS			5) Pench (Excess)	-0.284	-7.859
1) RGPPL Gas	36.985	1009.878	# Total Cent. Sector	95.038	2603.628
2) Wind Generation	3.453	234.801	F) Other Exchanges		
3) CPP / IPP	8.359	234.604	1) With TPCL (Excess)	-14.296	-289.625
4) PENCH (MS)	0.284	10.146	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	10.061	223.105
1) TPCL Thermal	27.757	684.006	Include PX	5.760	144.678
2) TPCL Hydro	2.543	113.029	2) MUMBAI Bilateral	15.111	310.874
TOTAL TPCL	30.300	797.035	Include PX	5.393	67.842
3) REL Thermal	12.580	351.328	3) MUMBAI Schedule	15.111	310.874
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	129.504	2988.881	1) MSEDCL	240.194	6404.907
2) Hydro (A2+B3+C2)	8.371	334.777	2) TPCL	37.548	945.454
3) Gas (A3+B1)	52.645	1446.204	3) REL	19.629	485.020
4) Wind (B2)	3.453	234.801	TOTAL STATE	297.371	7835.381
5) CPP (B3)	8.359	234.604			
TOTAL STATE	202.332	5239.267			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	3677	3867	3677
MSGENCO Hydro	249	786	107
MSGENCO Gas	627	664	668
MSGENCO Total Generation	4553	5317	4452
Central Sector Receipt	4301	4098	3231
RGPPL	1533	1544	1546
WIND	164	71	118
CPP / IPP	350	349	355
Exchange with TPCL	-839	-675	-340
MSEDCL DEMAND MET	10062	10758	9362
Load Shedding	1504	2743	0
MSEDCL DEMAND (INCL. LS)	11566	13501	9362
TPCL GENERATION	1564	1613	934
REL GENERATION	524	522	524
TPCL+REL DEMAND	2927	2810	1798
STATE DEMAND MET	12989	13568	11160
STATE DEMAND (INCL. LS)	14493	16311	11160
Frequency (Hz)	49.82	49.99	49.82
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3352 MW at 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.32 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.26 Hz at 18.06 Hrs	49.34 Hz at 13.49 Hrs	49.87	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 28/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.22	21.29	59	45	55
Unit 2	0.00	23.37	0	0	0
Unit 3	1.01	35.67	60	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	1.61	57.11	122	0	50
Unit 6	2.65	73.29	140	80	120
Unit 7	2.48	85.08	120	70	100
	8.97	295.82			325
Bhusawal					
Unit 1	0.98	4.72	52	24	45
Unit 2	0.00	50.46	0	0	0
Unit 3	3.40	39.87	170	100	150
	4.38	95.05			195
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.52	4.62	23	20	23
Unit 3	2.64	26.99	123	80	130
Unit 4	3.34	81.16	166	117	130
Unit 5	2.63	59.44	120	92	150
Unit 6	4.12	80.94	210	105	150
Unit 7	3.67	44.25	228	89	144
	16.92	297.40			727
Chandrapur					
Unit 1	2.86	57.11	134	101	100
Unit 2	2.41	30.25	110	86	100
Unit 3	2.94	33.96	176	95	150
Unit 4	2.79	26.49	137	95	80
Unit 5	6.91	158.22	360	180	370
Unit 6	6.45	129.79	350	135	300
Unit 7	5.85	113.02	289	176	300
	30.21	548.85			1400
Paras					
Unit 2	0.99	19.91	46	37	20
Unit 3	3.40	71.72	164	103	150
Unit 4	3.24	63.55	160	112	150
	7.64	155.19			320
Khaparkheda					
Unit 1	4.72	120.78	205	165	206
Unit 2	0.00	0.00	0	0	0
Unit 3	3.84	114.04	187	128	127
Unit 4	3.95	92.58	177	143	475
	12.52	327.40			808
Nasik					
Unit 1	1.32	33.46	72	13	60
Unit 2	0.00	11.52	0	0	0
Unit 3	3.64	70.76	180	125	170
Unit 4	0.00	42.02	0	0	0
Unit 5	3.58	76.09	174	125	170
	8.53	233.85			400
Koyna					
Stage 1-2	2.04	62.48	305	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.38	23.72	158	0	320
	2.42	86.20			920
Kovna 12&4 Total	2.04	62.48			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.66	436.33	676	620	640	
	15.66	436.33			640	
Hydro						
KDPH	0.71	15.18	38	0	36	
VTRNA	0.00	5.43	0	0	0	
TILLARI	0.23	6.10	60	0	60	
BHTGR/VEER	0.07	3.64	3	3	10	
BHIRA T.R.	0.28	10.73	81	0	80	
RNGR+BHTSA	0.27	10.12	17	3	3	
BHANDARDRA	0.00	13.87	0	0	20	
ELDARY	0.51	11.92	23	20	20	
SMLHY PTN	0.15	19.83	13	3	10	
GHATGHAR	0.91	28.59	240	0	0	
	3.13	125.40			239	
PENCH (MS)						
Pench (MS)	0.28	10.15	54	0		
	0.28	10.15				
Wind						
MalharPeth	0.30	10.98				
Vankuswadi	0.55	23.08				
ATIT	0.23	8.22				
Kale	0.10	8.98				
Satara	0.43	22.30				
Shirala	0.14	8.61				
K Mahankal	0.11	8.41				
Supa	0.09	3.68				
Vita	0.36	38.60				
Dondaicha	0.43	56.72				
Sakri	0.10	11.53				
Nandurbar	0.05	7.62				
Khandke	0.24	14.97				
Khaparale	0.32	11.09				
	3.45	234.80				
CPP						
TOTAL CPP	8.36	234.60				
	8.36	234.60				
Dabhol						
RGPPL	36.98	1009.88	1561	1521	1563	
	36.98	1009.88			1563	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	11.28	284.64	490	400	500	
Trombay 6	6.92	136.62	510	150	500	
Trombay 7A	2.87	81.56	123	116	120	
Trombay 7B	1.62	45.20	68	67	60	
Trombay 8	5.06	135.98	245	160	250	
TATA Hydro	2.54	113.03	338	0	447	
	30.30	797.04			1877	
REL						
1&2	12.58	351.33	527	521	500	
	12.58	351.33			500	
Cent Sect						
Share					4075	
					4075	
MS PG CL	Thermal	89.17	1953.55		4175	
	Thml+Gas	104.83	2389.87		4815	
	Hydro	5.54	211.60		1159	
	Total	110.37	2601.48		5974	
State Total		202.33	5239.27		13989	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Sep/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	3621	107	662	4390	1546	88	344	3767	3451	-504	-461	9372	962	10334	1976	12310	49.78
2	3677	107	668	4452	1546	118	355	3647	3231	-384	-340	9362	0	9362	1798	11160	49.82
3	3696	117	670	4483	1549	207	348	3576	3189	-316	-268	9508	0	9508	1701	11209	49.94
4	3745	112	670	4527	1550	232	352	3527	3205	-269	-219	9647	0	9647	1653	11300	50.02
5	3752	107	664	4523	1552	279	342	3503	3194	-245	-192	9698	0	9698	1625	11323	50.04
6	3767	117	662	4546	1547	280	348	3488	3476	-245	-224	9973	56	10029	1656	11685	49.84
7	3826	112	662	4600	1544	229	353	3800	3461	-367	-328	9859	268	10127	1813	11940	49.83
8	3796	102	657	4555	1546	196	348	3848	3815	-415	-386	10074	283	10357	1896	12253	49.91
9	3778	162	642	4582	1539	193	353	4045	4107	-609	-574	10200	694	10894	2194	13088	49.87
10	3752	195	639	4586	1532	165	350	4164	3961	-741	-733	9861	1210	11071	2573	13644	49.88
11	3682	285	633	4600	1528	163	349	4179	4109	-771	-785	9964	1363	11327	2830	14157	49.80
12	3677	249	627	4553	1533	164	350	4292	4301	-887	-839	10062	1504	11566	2927	14493	49.82
13	3573	176	627	4376	1529	105	354	4239	4455	-863	-854	9965	1714	11679	2925	14604	49.72
14	3557	167	620	4344	1521	83	348	4246	4424	-870	-846	9874	1816	11690	2860	14550	49.69
15	3503	388	623	4514	1522	80	349	4285	4580	-887	-868	10177	1995	12172	2928	15100	49.74
16	3455	349	629	4433	1529	143	350	4283	4425	-894	-856	10024	2048	12072	2962	15034	49.87
17	3563	147	662	4372	1533	122	349	4269	3979	-870	-855	9500	2325	11825	2922	14747	49.93
18	3744	137	656	4537	1534	71	351	4202	4311	-821	-797	10007	2366	12373	2827	15200	49.88
19	3807	386	651	4844	1539	76	347	4029	4289	-667	-658	10464	2737	13201	2774	15975	49.91
20	3867	786	664	5317	1544	71	349	4072	4098	-710	-675	10758	2743	13501	2810	16311	49.99
21	3964	450	656	5070	1550	92	349	4073	4468	-710	-656	10916	2487	13403	2626	16029	49.91
22	3887	420	668	4975	1555	111	352	4059	4275	-698	-639	10679	2304	12983	2463	15446	49.89
23	3737	195	676	4608	1556	108	315	4095	4276	-737	-675	10241	2090	12331	2294	14625	49.87
24	3741	171	672	4584	1561	77	354	3981	3958	-629	-568	10009	1923	11932	2143	14075	49.95
MUs	89.17	5.54	15.66	110.37	36.98	3.45	8.36	95.67	95.04	-15.11	-14.30	240.19	32.89	273.08	57.18	330.26	49.87

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 28/Sep/2010

Position as on 6.30 Hrs of 29/Sep/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
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	30/09/2010
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	30/09/2010
Nasik Unit 2	125	10/09/2010	01.00		Continued.	Bunkering Problem.	29/09/2010
Koradi Unit 2	105	23/09/2010	10.32		Continued.	Bunkering Problem.	29/09/2010
Bhusawal Unit 2	210	25/09/2010	07.25		Continued.	Boiler tube leakage.	29/09/2010
Koradi Unit 5	200	27/09/2010	19.35	28/09/2010	04.40	Flame Failure	
Koradi Unit 3	105	28/09/2010	03.38	28/09/2010	07.10	Low Coal Flow	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Sep/2010

Position as on 6.30 Hrs of 29/Sep/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 - I	23/09/2010	09.48	28/09/2010	11.17	C.B.Problem at Kolhapur.
Akola - Aurangabad - I	25/09/2010	14.21		Continued.	Over Voltage.
Dhule-S'Sarovar I	26/09/2010	23.27.		Continued.	Over Voltage.
Kolhapur - Mapusa - I	29/09/2010	23.30		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni -Tillary	28/09/2010	12.22	28/09/2010	13.25	Distance Protection
Tillary-Amona	28/09/2010	12.22	28/09/2010	15.35	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.
Dabhol - Nagothane - I	27/09/2010	10.14	28/09/2010	06.56	To attend sparking near B phase wave trap at Dabhol end
Main Bus-II @ Kolhapur	27/09/2010	13.08	28/09/2010	11.14	Replacement of R phase pentagraph
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
Chalisgaon - Malegaon	27/09/2010	11.07		Continued.	Main Breaker replacement(ckt is on TBC)
Mahad-Nagothane	28/09/2010	08.22	28/09/2010	18.25	Insulator String replacement work
220/132 KV 50 MVA T/F @ Peth	28/09/2010	09.10	28/09/2010	14.15	R.M.Work
Apta-Uran-IV	28/09/2010	09.12	28/09/2010	18.21	Replacement of P.T.and R.M.work
Main Bus @ Vita	28/09/2010	09.30	28/09/2010	18.45	Attending Red Hot and R.M.work
220/132KV 100MVA ICT at Satara MIDC	28/09/2010	09.50	28/09/2010	12.40	Inspection of CTR System
220 KV Main Bus @ Ogalewadi	28/09/2010	10.45	28/09/2010	13.45	For connecting Jumper of new T/F
220/110KV 100MVA T/F-III at Miraj	28/09/2010	12.35	28/09/2010	13.30	Q.M.work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kanhan - Bhandara	27/09/2010	12.30		Continued.	Main Breaker replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
New Koyna - Karad - I	24/09/2010	00.05		Continued.	Taken on TBC, Breaker Problem.
Dabhol-Nagothane - II	28/09/2010	11.39	28/09/2010	20.01	Attending Red Hot at Dabhol end
400/220 KV 315MVA ICT-II @ Kolhapur	28/09/2010	12.11	28/09/2010	17.57	Breaker Maint.work
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Dondaicha - Sahada	28/09/2010	11.00	28/09/2010	16.25	Attending Hot Spot
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Sep/2010

Position as on 6.30 Hrs of 29/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad-Lamboti	27/09/2010	22.46	28/09/2010	08.36	Over Voltage
Chandrapur - Parli - II	28/09/2010	00.20	28/09/2010	06.03	Over Voltage
Lonikand- Koyna Stage IV	28/09/2010	00.22	28/09/2010	08.50	Over Voltage
Karad-Lamboti	28/09/2010	22.00		Continued.	Over Voltage
Lonikand- Koyna Stage IV	29/09/2010	00.48		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Khaperkheda - Wardha.	27/09/2010	18.26	28/09/2010	16.43	To control Koradi ICT loading
Ambazari-Wardha	27/09/2010	18.40	28/09/2010	07.21	To control Koradi ICT Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	06/09/2010	22.45		Continued.	Over Voltage
Karad - Kolhapur - II	27/09/2010	04.02		Continued.	Over Voltage.
400/220 KV 315 MVA ICT-I @ Parly.	27/09/2010	17.35	28/09/2010	13.33	Differential Protection 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.	Tripped on Diff.Prot.CTR system operated.
Apta - Taloja	27/09/2010	23.58	28/09/2010	00.15	Numerical relay problem
Pophali - Pedambe	28/09/2010	10.17	28/09/2010	11.40	Distance Protection
Pophali - Kandalgaon - I	28/09/2010	14.38		Continued.	Distance Protection
NewKoyna - Pawas	28/09/2010	21.44	28/09/2010	22.30	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Akot	28/09/2010	14.02	28/09/2010	15.05	Directional E/F
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon - Mhasale	28/09/2010	03.30	28/09/2010	09.35	Conductor broken at Mhasale

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	
Unit 6	210	
Unit 7	210	
	1040	
Bhusawal		
Unit 1	58	
Unit 2	210	
Unit 3	210	
	478	
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1190	
Chandrapur		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
Unit 5	500	
Unit 6	500	
Unit 7	500	
	2340	
Paras		
Unit 2	55	
Unit 3	250	
Unit 4	250	
	555	
Khaparkheda		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
	840	
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	
Unit 4	210	
Unit 5	210	
	870	
Koyna		
Stage 1-2	600	
Stage 4	1000	
Stage 3	320	
	1920	
Uran		
All Units	852	

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	
Hydro		
KDPH	40	
VTRNA	60	
TILLARI	60	
BHTGR/VEER	21	
BHIRA T.R.	80	
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	
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		
RGPPPL	960	
	960	
Tata		
Trombay 4	150	
Trombay 5	500	
Trombay 6	500	
Trombay 7A	120	
Trombay 7B	60	
Trombay 8	250	
TATA Hydro	444	
	2024	
REL		
1&2	500	
	500	
Cent Sect		
Share	3143	
	3143	