



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Sep/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	65.406	732.963	1) Madhya Pradesh	54.291	594.114
2) Hydro	10.025	102.301	2) Gujrat	29.178	358.419
3) Gas	15.223	185.544	3) Goa	-4.463	-65.492
Total MSGENCO	90.654	1020.808	4) TAPS 1&2 (Inj.)	7.815	91.278
B) OTHERS			5) Pench (Excess)	-0.083	-1.308
1) RGPPL Gas	36.583	421.567	# Total Cent. Sector	86.738	977.011
2) Wind Generation	6.064	169.675	F) Other Exchanges		
3) CPP / IPP	9.925	121.429	1) With TPCL (Excess)	-7.658	-104.226
4) PENCH (MS)	0.083	1.308	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.959	70.103
1) TPCL Thermal	18.316	273.822	Include PX	4.799	55.479
2) TPCL Hydro	3.995	60.422	2) MUMBAI Bilateral	8.274	113.612
TOTAL TPCL	22.311	334.244	Include PX	0.724	21.274
3) REL Thermal	12.416	150.538	3) MUMBAI Schedule	8.274	113.612
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	96.138	1157.323	1) MSEDCL	222.389	2607.572
2) Hydro (A2+B3+C2)	14.103	164.031	2) TPCL	27.793	390.613
3) Gas (A3+B1)	51.806	607.111	3) REL	14.593	198.487
4) Wind (B2)	6.064	169.675	TOTAL STATE	264.775	3196.672
5) CPP (B3)	9.925	121.429			
TOTAL STATE	178.036	2219.569			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2541	2855	2767
MSGENCO Hydro	316	1373	184
MSGENCO Gas	661	655	672
MSGENCO Total Generation	3518	4883	3623
Central Sector Receipt	4120	3927	2677
RGPPL	1432	1534	1567
WIND	263	275	304
CPP / IPP	409	404	412
Exchange with TPCL	-371	-417	-144
MSEDCL DEMAND MET	9371	10633	8439
Load Shedding	1311	2029	0
MSEDCL DEMAND (INCL. LS)	10682	12662	8439
TPCL GENERATION	923	1080	848
REL GENERATION	522	526	505
TPCL+REL DEMAND	1816	2023	1497
STATE DEMAND MET	11187	12656	9936
STATE DEMAND (INCL. LS)	12498	14685	9936
Frequency (Hz)	50.29	49.74	50.53
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2938 Mw at 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.39 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.7 Hz at 04.11 Hrs	49.29 Hz at 18.37 Hrs	50.16	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/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.25	7.00	64	45	50
Unit 2	0.00	12.62	0	0	0
Unit 3	1.22	16.24	61	31	55
Unit 4	0.00	0.00	0	0	0
Unit 5	3.09	27.06	138	115	130
Unit 6	3.12	27.98	147	115	140
Unit 7	3.20	39.06	160	120	160
	11.89	129.96			535
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	1.87	21.87	140	0	100
Unit 3	1.53	9.54	80	0	100
	3.40	32.05			200
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.09	1.26	20	0	0
Unit 3	2.24	9.84	126	57	110
Unit 4	3.02	36.92	149	69	150
Unit 5	2.19	27.62	112	29	110
Unit 6	2.57	34.99	154	52	130
Unit 7	0.00	13.98	0	0	0
	10.11	124.61			500
Chandrapur					
Unit 1	0.00	19.51	0	0	0
Unit 2	0.00	14.46	0	0	0
Unit 3	2.36	7.80	125	64	125
Unit 4	2.40	5.92	142	37	80
Unit 5	1.16	54.93	250	0	0
Unit 6	6.91	31.50	345	210	250
Unit 7	0.00	29.58	0	0	0
	12.84	163.69			455
Paras					
Unit 2	0.63	5.88	42	17	18
Unit 3	2.57	22.83	154	0	130
Unit 4	2.46	17.78	158	61	0
	5.65	46.50			148
Khaparkheda					
Unit 1	4.74	53.80	210	155	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.44	50.75	195	160	190
Unit 4	4.04	31.11	176	155	170
	13.23	135.66			550
Nasik					
Unit 1	1.84	11.31	95	58	71
Unit 2	0.00	11.52	0	0	0
Unit 3	2.92	20.16	155	80	132
Unit 4	3.53	33.20	166	128	132
Unit 5	0.00	24.31	0	0	0
	8.29	100.50			335
Koyna					
Stage 1-2	2.37	21.90	495	40	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.87	12.60	312	0	320
	3.24	34.49			920
Kovna 12&4 Total	2.37	21.90			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.22	185.54	674	499	640
		15.22	185.54			640
Hydro						
KDPH		0.94	10.96	40	39	38
VTRNA		0.66	3.92	61	0	61
TILLARI		0.77	3.81	60	0	60
BHTGR/VEER		0.20	2.23	9	8	8
BHIRA T.R.		0.43	5.50	51	0	80
RNGR+BHTSA		0.46	4.67	19	18	18
BHANDARDRA		0.55	8.82	34	14	28
ELDARY		0.52	6.41	24	15	22
SMLHY PTN		1.04	10.54	52	40	13
GHATGHAR		1.23	10.94	250	0	0
		6.79	67.81			328
PENCH (MS)						
Pench (MS)		0.08	1.31	27	0	0
		0.08	1.31			0
Wind						
MalharPeth		0.17	8.87			
Vankuswadi		0.52	17.58			
ATIT		0.08	7.07			
Kale		0.18	6.99			
Satara		0.92	16.05			
Shirala		0.16	6.19			
K Mahankal		0.02	7.33			
Supa		0.10	2.58			
Vita		0.98	29.26			
Dondaicha		1.14	35.31			
Sakri		1.06	8.08			
Nandurbar		0.11	4.00			
Khandke		0.40	12.18			
Khaparale		0.23	8.17			
		6.06	169.68			
CPP						
TOTAL CPP		9.92	121.43			
		9.92	121.43			
Dabhol						
RGPPL		36.58	421.57	1570	1432	1584
		36.58	421.57			1584
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		6.66	110.66	330	275	500
Trombay 6		3.60	50.18	150	150	500
Trombay 7A		2.90	35.00	125	112	120
Trombay 7B		1.61	19.34	69	63	60
Trombay 8		3.55	58.63	206	120	200
TATA Hydro		4.00	60.42	283	59	447
		22.31	334.24			1827
REL						
1&2		12.42	150.54	528	500	500
		12.42	150.54			500
Cent Sect						
Share						3560
						3560
MS PG CL	Thermal	65.41	732.96			2723
	Thml+Gas	80.63	918.51			3363
	Hydro	10.02	102.30			1248
	Total	90.65	1020.81			4611
State Total		178.04	2219.57			12082

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	2701	194	674	3569	1570	266	425	3327	2798	-253	-239	8389	0	8389	1734	10123	50.35
2	2789	184	673	3646	1567	279	430	3287	2816	-229	-225	8513	0	8513	1582	10095	50.50
3	2767	184	672	3623	1567	304	412	2849	2677	-162	-144	8439	0	8439	1497	9936	50.53
4	2840	199	674	3713	1569	295	455	2844	2678	-139	-118	8592	0	8592	1457	10049	50.54
5	2810	184	673	3667	1529	292	435	2844	2993	-139	-132	8784	0	8784	1455	10239	50.44
6	2681	198	510	3389	1521	276	437	2844	3325	-139	-137	8811	0	8811	1516	10327	50.23
7	2693	204	499	3396	1568	317	402	3178	3732	-283	-239	9176	0	9176	1541	10717	50.28
8	2681	209	506	3396	1567	265	390	3178	3960	-283	-266	9312	0	9312	1585	10897	50.28
9	2618	291	571	3480	1529	245	401	3228	4198	-333	-335	9518	729	10247	1702	11949	50.20
10	2541	316	661	3518	1432	263	409	3285	4120	-386	-371	9371	1311	10682	1816	12498	50.29
11	2580	374	653	3607	1435	249	401	3296	3881	-386	-395	9178	1232	10410	1908	12318	50.29
12	2661	374	650	3685	1445	190	403	3296	3712	-386	-357	9078	1305	10383	1908	12291	50.13
13	2642	309	642	3593	1461	141	404	3296	3775	-386	-354	9020	1256	10276	1846	12122	50.03
14	2772	273	645	3690	1481	156	405	3296	3930	-386	-351	9311	1229	10540	1817	12357	50.03
15	2771	301	646	3718	1488	159	405	3296	3453	-386	-358	8865	1269	10134	1808	11942	50.05
16	2753	325	655	3733	1537	170	397	3296	3692	-386	-359	9170	1198	10368	1778	12146	50.16
17	2829	308	653	3790	1532	189	405	3296	3820	-386	-373	9363	1115	10478	1756	12234	50.31
18	2854	356	645	3855	1540	196	410	3317	4061	-386	-348	9714	1011	10725	1771	12496	50.06
19	2860	678	636	4174	1537	255	410	3206	3570	-386	-352	9600	1768	11368	1830	13198	49.85
20	2855	1373	655	4883	1534	275	404	3271	3927	-455	-417	10633	2029	12662	2023	14685	49.74
21	2814	1309	650	4773	1539	291	409	3336	3841	-520	-469	10411	1974	12385	2083	14468	49.83
22	2718	917	659	4294	1543	319	408	3340	3991	-528	-475	10090	1906	11996	2028	14024	49.91
23	2657	609	659	3925	1542	359	433	3313	4017	-528	-474	9812	1828	11640	2032	13672	49.83
24	2519	356	662	3537	1550	313	435	3179	3771	-421	-370	9239	1623	10862	1912	12774	50.02
MUs	65.41	10.02	15.22	90.65	36.58	6.06	9.92	76.90	86.74	-8.27	-7.66	222.39	22.78	245.17	42.38	287.56	50.16

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/Sep/2010

Position as on 6.30 Hrs of 13/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.	08/09/2010
Cent_Sect NTPC(V-8)	500	20/08/2010	00.46		Continued.	Annual Overhaul	15/09/2010
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
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
Bhusawal Unit 1	58	01/09/2010	23.30		Continued.	Wet Coal	13/09/2010
Parli Unit 2	30	03/09/2010	14.10	12/09/2010	18:20	BLR T/L.	
Chandrapur Unit 7	500	07/09/2010	08.46		Continued.	Flame Failure	14/09/2010
Chandrapur Unit 2	210	07/09/2010	12.11		Continued.	High Furnance Pressure	13/09/2010
Nasik Unit 2	125	10/09/2010	01.00		Continued.	Bunkering Problem.	14/09/2010
Nasik Unit 5	210	10/09/2010	05.00		Continued.	Condenser T/L.	13/09/2010
Koradi Unit 2	105	10/09/2010	07.37		Continued.	C.H.P.Problem.	13/09/2010
Chandrapur Unit 1	210	10/09/2010	08.45		Continued.	Economiser tube leakage.	13/09/2010
Parli Unit 7	250	11/09/2010	13.56		Continued.	CHP Problem.	13/09/2010
Parli Unit 5	210	11/09/2010	20.50	12/09/2010	00.25	Furnace pressure high.	
Chandrapur Unit 5	500	12/09/2010	05.05	13/09/2010	04.46	CW pump leakage.	
Uran Unit 6	108	12/09/2010	05.05	12/09/2010	07:56	Generator protection.	
Paras Unit 3	250	12/09/2010	07:56	12/09/2010	10:08	Loss of Fuel.	
Bhusawal Unit 2	210	12/09/2010	22.16	13/09/2010	01.12	Due to occurance at 400KV Khadka.	
Bhusawal Unit 3	210	12/09/2010	22.16	13/09/2010	01.34	Due to occurance at 400KV Khadka	

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

Position as on 6.30 Hrs of 13/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	26/08/2010	22.08		Continued.	Over Voltage.
Wardha - Akola - I	28/08/2010	12.25	12/09/2010	22.19	Change Over
Akola - Aurangabad - II	04/09/2010	12.29		Continued.	Over Voltage.
Kolhapur - Mapusa - I	06/09/2010	17.51		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/09/2010	01.48		Continued.	Over Voltage.
Dhule-Khandwa-I	09/09/2010	13.25	12/09/2010	07.39	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudsungi-Amona	11/09/2010	22.38		Continued.	Over Voltage at Amona end.
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-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	Routine Maintainance 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
220/6.6 KV Stn Tr - II @ K'Kheda	06/09/2010	08.58		Continued.	Annual Maint.of Bay
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Karad-New Koyna II	09/09/2010	13.05	12/09/2010	10.00	DC leakage problem 29 B isolator open.
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 - II	27/08/2010	23.01		Continued.	Over Voltage.
Chandrapur - Parli - II	09/09/2010	00.55	12/09/2010	07.29	Over Voltage.
Karad-Lamboti	10/09/2010	21.11		Continued.	Over Voltage.
Dhule - Babhaleshwar - I	11/09/2010	22.54	12/09/2010	07.35	Over Voltage.
Dhule - Babaleshwar - II	13/09/2010	00.59		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	13/09/2010	01.13		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	06/09/2010	22.45		Continued.	Over Voltage
STG IV-N.Koyna -I	10/09/2010	19.33		Continued.	PDR At Stg.IV.
Karad - Kolhapur - I	12/09/2010	00.44	12/09/2010	07.20	Over Voltage
Bableswhar-Aurangabad	12/09/2010	03.10	12/09/2010	06.48	Over Voltage
400/132KV 200 MVA ICT- II @ Bhusawal	12/09/2010	22.16		Continued.	Bus fault at 400KV 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.	Tripped on Diff.Prot.CTR system operated.

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

Position as on 6.30 Hrs of 13/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal-Chalisgaon-I	11/09/2010	23.06		Continued.	Ckt.on TBC.Due to red hot on isolator near main C.B.
Pophali - Pedambe - I	12/09/2010	13.55	12/09/2010	14.20	Distance protection.
220/132 KV 100 MVA ICT-II @ Bhusawal	12/09/2010	22.16		Continued.	Bus fault at 400KV Khadka
Voltage Level : 132KV			Outage Type TRIPPED		
Theur-Sanaswadi	12/09/2010	21.30	12/09/2010	21.52	Transient fault.
Khadka-Deepnagar-II	12/09/2010	22.16	12/09/2010	23.24	Bus fault at 400KV Khadka
132 KV Bus Coupler at 400KV Khadka	12/09/2010	22.16		Continued.	Bus fault at 400KV Khadka
Bhusawal - Nimbhora	12/09/2010	22.20	12/09/2010	22.38	Bus fault at 400KV Khadka
Bhusawal - Jalgaon - I	12/09/2010	22.20	12/09/2010	22.38	Bus fault at 400KV Khadka
Bhusawal - Jalgaon - II	12/09/2010	22.20	12/09/2010	22.38	Bus fault at 400KV Khadka
Bhusawal -Yawal	12/09/2010	22.20	12/09/2010	22.30	Bus fault at 400KV Khadka

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	55
Unit 2	105	0
Unit 3	105	60
Unit 4	105	0
Unit 5	200	125
Unit 6	210	140
Unit 7	210	130
	1040	510
Bhusawal		
Unit 1	58	0
Unit 2	210	100
Unit 3	210	100
	478	200
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	110
Unit 4	210	115
Unit 5	210	110
Unit 6	250	130
Unit 7	250	
	1190	485
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	100
Unit 4	210	140
Unit 5	500	70
Unit 6	500	250
Unit 7	500	0
	2340	560
Paras		
Unit 2	55	40
Unit 3	250	150
Unit 4	250	
	555	190
Khaparkheda		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	170
Unit 4	210	170
	840	500
Nasik		
Unit 1	120	80
Unit 2	120	0
Unit 3	210	150
Unit 4	210	150
Unit 5	210	0
	870	380
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	650

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	650
Hydro		
KDPH	40	40
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	51
RNGR+BHTSA	20	20
BHANDARDRA	45	28
ELDARY	23	23
SMLHY PTN	12	14
GHATGHAR	250	0
	611	305
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	1584
	960	1584
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	3755
	3143	3755

	17376	7 of 7	12416
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