



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Sep/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Sep/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.112	1690.435	1) Madhya Pradesh	20.103	1264.213
2) Hydro	39.783	664.986	2) Gujrat	50.955	1236.032
3) Gas	15.193	388.587	3) Goa	-6.402	-152.809
Total MSGENCO	143.088	2744.008	4) TAPS 1&2 (Inj.)	7.764	197.346
B) OTHERS			5) Pench (Excess)	-1.061	-22.728
1) RGPPL Gas	39.013	811.894	# Total Cent. Sector	71.359	2522.054
2) Wind Generation	4.350	322.879	F) Other Exchanges		
3) CPP	33.050	722.542	1) With TPCL (Excess)	-9.771	-292.229
4) PENCH (MS)	1.061	22.903	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	28.313	686.742
1) TPCL Thermal	29.443	663.269	Include PX	6.698	209.925
2) TPCL Hydro	4.232	127.329	2) MUMBAI Bilateral	11.595	324.269
TOTAL TPCL	33.675	790.598	Include PX	0.155	9.765
3) REL Thermal	12.566	332.391	3) MUMBAI Schedule	11.595	324.269
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	130.121	2686.095	1) MSEDCL	282.150	6854.051
2) Hydro (A2+B3+C2)	45.076	815.218	2) TPCL	37.430	943.815
3) Gas (A3+B1)	54.206	1200.481	3) REL	18.579	471.353
4) Wind (B2)	4.350	322.879	TOTAL STATE	338.159	8269.219
5) CPP (B3)	33.050	722.542			
TOTAL STATE	266.803	5747.215			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3471	3748	3595
MSGENCO Hydro	2062	2173	1067
MSGENCO Gas	628	641	641
MSGENCO Total Generation	6161	6562	5303
Central Sector Receipt	3764	2855	2233
RGPPL	1605	1609	1648
WIND	78	257	258
CPP	1331	1458	1380
Exchange with Mumbai	-531	-484	-131
MSEDCL DEMAND MET	12452	12301	10735
Load Shedding (LS)	1505	936	401
MSEDCL DEMAND (INCL. LS)	13957	13237	11136
TPCL GENERATION	1796	1753	932
REL GENERATION	524	521	524
TPCL+REL DEMAND	2851	2758	1587
STATE DEMAND MET	15303	15059	12322
Load Management (LM)	1811	3165	1546
Total Load Relief (LS+LM)	3316	4101	1947
UNRESTRICTED STATE DEMAND	18619	19160	14269
Frequency (Hz)	49.48	49.55	49.44

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 07.03 Hrs	48.83 Hz at 19.47 Hrs	49.55	5.52 % 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 27/Sep/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.70	9.45	144	70	100
Unit 6	2.98	72.78	155	87	130
Unit 7	2.86	79.70	140	85	140
	8.55	161.92			370
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.72	59.22	180	140	150
Unit 4		0.00	0	0	
	3.72	59.22			150
Parli					
Unit 3	3.04	59.40	140	103	130
Unit 4	0.00	0.00	0	0	0
Unit 5	3.23	78.41	155	109	130
Unit 6	3.90	67.72	181	127	150
Unit 7	0.00	56.59	0	0	0
	10.17	262.12			410
Chandrapur					
Unit 1	3.51	55.34	150	139	140
Unit 2	3.28	64.75	141	134	130
Unit 3	4.23	58.02	185	156	170
Unit 4	0.00	0.00	0	0	0
Unit 5	7.54	169.49	351	240	300
Unit 6	7.55	157.09	360	285	300
Unit 7	7.31	131.58	334	265	300
	33.41	636.27			1340
Paras					
Unit 3	2.43	3.90	130	71	80
Unit 4	3.53	81.64	172	90	170
	5.96	85.53			250
Khaparkheda					
Unit 1	3.71	88.40	165	150	150
Unit 2	3.70	69.75	164	139	150
Unit 3	3.81	82.27	165	154	160
Unit 4	3.81	96.53	169	151	160
Unit 5		4.53	0	0	
	15.02	341.48			620
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.94	83.36	185	130	170
Unit 4	3.85	23.43	190	135	150
Unit 5	3.49	37.09	175	106	150
	11.29	143.88			470
Uran					
All Units	15.19	388.59	658	617	630
	15.19	388.59			630
Dabhol					
RGPPL	39.01	811.89	1665	1592	1600
	39.01	811.89			1600
Koyna					
Stage 1-2	10.92	148.20	565	205	600
Stage 4	19.72	279.96	1112	453	250
Stage 3	6.70	102.92	320	238	320
	37.34	531.08			1170
Kovna 12&4 Total	30.64	428.16			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	7.79	0	0	0
VTRNA	0.36	15.29	61	0	0
TILLARI	0.36	17.71	60	0	60
BHTGR/VEER	0.15	8.79	7	6	9
BHIRA T.R.	0.25	10.50	81	0	80
RNGR+BHTSA	0.39	11.55	17	16	17
BHANDARDRA	0.46	14.43	32	14	16
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.45	28.23	27	15	10
GHATGHAR	0.00	19.62	0	0	
	2.44	133.91			192
PENCH (MS)					
Pench (MS)	1.06	22.90	46	42	
	1.06	22.90			
Wind					
MalharPeth	0.20	17.09			
Vankuswadi	0.29	30.47			
ATIT	0.03	5.06			
Kale	0.11	10.90			
Satara	0.07	45.58			
Shirala	0.11	11.18			
K Mahankal	0.30	21.20			
Supa	0.05	4.78			
Vita	0.18	56.24			
Dondaicha	2.09	69.13			
Sakri	0.33	12.14			
Nandurbar	0.24	6.71			
Khandke	0.21	21.63			
Khaparale	0.14	10.77			
	4.35	322.88			
CPP					
JSW JAIGAD	23.61	485.25	1087	891	810
WARDHA	6.25	163.61	263	258	260
Other CPPs	3.19	73.69			
	33.05	722.54			1070
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.54	290.24	490	420	490
Trombay 6	8.66	151.49	500	160	500
Trombay 7A	2.89	77.27	122	119	120
Trombay 7B	1.59	42.93	67	66	60
Trombay 8	4.76	101.33	242	150	250
TATA Hydro	4.23	127.33	387	0	447
	33.68	790.60			1867
REL					
1&2	12.57	332.39	526	521	500
	12.57	332.39			500
Cent Sect					
Share					2743
					2743

MS PG CL	Thermal	88.11	1690.44			3610
	Thml+Gas	103.30	2079.02			4240
	Hydro	39.78	664.99			1362
	Total	143.09	2744.01			5602
State Total		266.80	5747.22			13382

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Sep/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	3582	1182	644	5408	1642	215	1352	2452	2742	-414	-265	11138	1756	11252	1906	14800	49.51
2	3578	1359	641	5578	1637	204	1386	2364	2437	-308	-203	11083	1627	11194	1713	14423	49.36
3	3547	1298	640	5485	1644	279	1384	2313	2337	-255	-170	11003	1797	11300	1637	14437	49.43
4	3595	1067	641	5303	1648	258	1380	2262	2233	-223	-131	10735	1947	11136	1587	14269	49.44
5	3703	1260	643	5606	1650	252	1394	2236	2174	-218	-145	10975	2035	11389	1592	14602	49.47
6	3709	1686	656	6051	1660	171	1396	2261	2479	-234	-177	11624	2328	12213	1669	15621	49.56
7	3738	1127	658	5523	1665	133	1408	2932	2922	-313	-301	11394	3264	12883	1822	16480	49.65
8	3726	1108	642	5476	1662	108	1372	2972	3289	-365	-317	11634	3442	13292	1964	17040	49.71
9	3712	1454	631	5797	1643	140	1309	3000	3254	-414	-403	11784	3427	13421	2227	17438	49.50
10	3744	1584	633	5961	1635	146	1308	3039	3422	-477	-515	12001	3230	13484	2598	17829	49.58
11	3548	1835	627	6010	1618	91	1333	3120	3733	-599	-555	12274	3329	13801	2825	18428	49.54
12	3471	2062	628	6161	1605	78	1331	3024	3764	-665	-531	12452	3316	13957	2851	18619	49.48
13	3686	1876	620	6182	1607	61	1296	3173	3474	-654	-515	12147	3717	14051	2842	18706	49.68
14	3726	1932	618	6276	1595	78	1282	3168	3488	-617	-534	12229	3187	13603	2728	18144	49.56
15	3724	2011	617	6352	1592	158	1322	3108	3199	-622	-563	12104	3350	13630	2791	18245	49.52
16	3741	2048	619	6408	1599	193	1330	3102	3300	-633	-540	12334	3075	13653	2787	18196	49.57
17	3666	2026	622	6314	1602	227	1355	3163	3367	-612	-576	12333	2964	13546	2799	18096	49.55
18	3684	1454	625	5763	1605	226	1329	3103	3017	-551	-517	11467	3439	12957	2740	17646	49.60
19	3755	1648	621	6024	1610	262	1430	2525	2856	-520	-486	11740	4147	13062	2723	18610	49.64
20	3748	2173	641	6562	1609	257	1458	2669	2855	-599	-484	12301	4101	13237	2758	19160	49.55
21	3755	2038	637	6430	1612	268	1481	2694	2861	-613	-486	12211	3738	12799	2627	18576	49.54
22	3778	2026	630	6434	1618	239	1466	2562	2762	-598	-465	12100	3459	12417	2445	18004	49.56
23	3628	1800	628	6056	1626	157	1470	2552	2764	-579	-465	11654	3366	11886	2263	17283	49.62
24	3568	1729	631	5928	1629	149	1478	2493	2631	-513	-427	11434	2929	11569	2118	16481	49.56
MUs	88.11	39.78	15.19	143.09	39.01	4.35	33.05	66.29	71.36	-11.59	-9.77	282.15	72.97	305.73	56.01	411.13	49.55

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 27/Sep/2011

Position as on 6.30 Hrs of 28/Sep/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	30/09/2011
Bhusawal Unit 2	210	22/08/2011	15.27		Continued.	AOH.	30/09/2011
Parli Unit 4	210	31/08/2011	01.07		Continued.	Annual Overhaul.	28/09/2011
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	15/10/2011
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Annual Overhaul	18/10/2011
Cent_Sect NTPC(V-5)	210	14/09/2011	00.41		Continued.	Annual Overhaul.	10/10/2011
FORCED OUTAGE							
Cent_Sect NTPC(K-5)	500	08/09/2011	14.52		Continued.	Ash handling problem.	30/09/2011
CPP WPCL U-2	135	11/09/2011	08.12		Continued.	Withdrawn	
Cent_Sect NTPC(K-7)	500	14/09/2011	21.37		Continued.	GT Inspection work	10/10/2011
Cent_Sect NTPC(K-1)	210	18/09/2011	11.31		Continued.	Ash Handling Problem	25/10/2011
Cent_Sect NTPC(K-6)	500	18/09/2011	11.31		Continued.	Ash Handling Problem	29/09/2011
Cent_Sect NTPC (V-1)	210	24/09/2011	15.16		Continued.	Coal bunkering problem.	
Cent_Sect NTPC(V-3)	210	24/09/2011	16.45		Continued.	Coal bunkering problem.	
Parli Unit 7	250	24/09/2011	18.53		Continued.	Main steam temp.low.	
Cent_Sect NTPC(V-4)	210	24/09/2011	18.58		Continued.	Coal bunkering problem.	
Cent_Sect NTPC(V-7)	500	24/09/2011	22.21		Continued.	Poor bunkering.	
Khaparkheda Unit 5	500	25/09/2011	22.15		Continued.	Drum Level Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Sep/2011

Position as on 6.30 Hrs of 28/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	23/09/2011	22.53		Continued.	Over Voltage
Akola - Aurangabad - I	24/09/2011	13.27		Continued.	Over Voltage.
Kolhapur-Mapusa-II	24/09/2011	23.02		Continued.	Over Voltage.
Chandrapur-Bhadravti - I	26/09/2011	17.52		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	26/09/2011	20.28	27/09/2011	08.42	Over Voltage.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 30.09.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 30.9.11.
220/33KV 125 MVA T/F 4 at Ghodbandar	25/09/2011	23.15		Continued.	Connecting 33KV Cable to Incomer Breaker.
Main Bus - II Talangde	26/09/2011	10.20		Continued.	Q.M.Work of Bus Coupler Bay,Repl.of B Ph. C T of Bus Coupler.
220/132KV 200MVA ICT-I @ Raymond	27/09/2011	10.02	27/09/2011	17.20	Tan Delta Measurment.
Babaleshwar - Alephata	27/09/2011	11.21	27/09/2011	17.00	Replacement of Cut Point Jumper @ Loc140
Miraj-Karad	27/09/2011	14.05	27/09/2011	15.50	To Attend Red Hot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus-I at Bhusawal-I	27/08/2011	13.08		Continued.	Bus and Line Isolator repl.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Bhusawal	06/09/2011	23.00		Continued.	Over Voltage.
Bhusawal- Aurangabad	26/09/2011	21.27	27/09/2011	08.25	Over Voltage.
Bhusawal- Aurangabad	27/09/2011	21.58		Continued.	Over Voltage.
C'pur-Parli II	27/09/2011	22.31		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	22/09/2011	06.38		Continued.	Parli ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Main Bus - II @ Koradi	26/09/2011	06.02		Continued.	While Shifting Unit-6 from Bus-II to Bus -I(Outage Given @ 08.00 for Erection of Main Bus-II Pentagraph Isolator R,Y &B Ph.with Alignment Work fo New 400KV K'Kheda Bay.
400 KV Bus Coupler @ Koradi	26/09/2011	06.02		Continued.	Bus Bar Protection Operated,Outage Aailed on 400KV Main Bus-II So Not Charged.
Voltage Level : 220KV			Outage Type TRIPPED		
Virur - Gadchiroli	27/09/2011	11.15	27/09/2011	11.20	Distance Protection,Z-I B Ph.
Kolhapur-Sawantwadi	27/09/2011	12.30	27/09/2011	13.09	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Khamgaon	27/09/2011	16.20	27/09/2011	16.40	Tripped @ Chikahali end only,Z-2.
Paras-Malkapur	27/09/2011	16.20	27/09/2011	16.48	Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Sep/2011

Position as on 6.30 Hrs of 28/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Malkapur - Khamgaon	27/09/2011	16.20	27/09/2011	16.38	Bus Bar Protection Opeared.
Malkapur-Motala	27/09/2011	16.20	27/09/2011	16.35	Bus Bar Protection Opeared.
132/33 KV 50 MVA T/F - I @ Malkapur	27/09/2011	16.20		Continued.	H V Side R Ph.Isolator Heavy Sparking.Breaker do not Tripped.Hence Bus Bar Protection
132/33 KV 50 MVA T/F - II @ Malkapur	27/09/2011	16.20	27/09/2011	16.50	Bus Bar Protection Opeared.
Main Bus @ Malkapur	27/09/2011	16.20	27/09/2011	16.35	Bus Bar Protection Opeared.
Malkapur-Bodwad	27/09/2011	16.20	27/09/2011	16.45	Bus Bar Protection Opeared.
Khadka-Malkapur	27/09/2011	16.20	27/09/2011	16.42	Bus Bar Protection Opeared.
132/33 KV 50 MVA T/F-II @ Mohal	27/09/2011	18.20	27/09/2011	18.30	Tripped.
132/11 KV 25 MVA T/F @ Indapur	27/09/2011	21.50	27/09/2011	21.55	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Sep/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	110
Unit 7	210	115
	620	360
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	0	
	420	180
Parli		
Unit 3	210	130
Unit 4	210	0
Unit 5	210	130
Unit 6	250	160
Unit 7	250	0
	1130	420
Chandrapur		
Unit 1	210	150
Unit 2	210	130
Unit 3	210	170
Unit 4	210	0
Unit 5	500	230
Unit 6	500	210
Unit 7	500	210
	2340	1100
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	
	1340	620
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	170
Unit 4	210	160
Unit 5	210	120
	870	450
Uran		
All Units	852	630
	852	630
Dabhol		
RGPP	1940	1600
	1940	1600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	267
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		
JSW JAIGAD	600	825
WARDHA	405	260
Other CPPs	0	
	1005	1085
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3537
	3455	3537