



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Sep/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Sep/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	81.646	1772.081	1) Madhya Pradesh	35.916	1300.129
2) Hydro	33.341	698.327	2) Gujrat	52.618	1288.650
3) Gas	15.030	403.617	3) Goa	-6.488	-159.297
Total MSGENCO	130.017	2874.025	4) TAPS 1&2 (Inj.)	7.744	205.090
B) OTHERS			5) Pench (Excess)	-1.067	-23.795
1) RGPPL Gas	38.663	850.557	# Total Cent. Sector	88.723	2610.777
2) Wind Generation	3.240	326.119	F) Other Exchanges		
3) CPP	34.595	757.137	1) With TPCL (Excess)	-11.661	-303.890
4) PENCH (MS)	1.067	23.970	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	46.274	733.016
1) TPCL Thermal	29.645	692.914	Include PX	23.812	233.737
2) TPCL Hydro	4.747	132.076	2) MUMBAI Bilateral	11.818	336.087
TOTAL TPCL	34.392	824.990	Include PX	-0.597	9.169
3) REL Thermal	10.628	343.019	3) MUMBAI Schedule	11.818	336.087
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	121.919	2808.014	1) MSEDCL	284.644	7138.695
2) Hydro (A2+B3+C2)	39.155	854.373	2) TPCL	38.124	981.939
3) Gas (A3+B1)	53.693	1254.174	3) REL	18.558	489.911
4) Wind (B2)	3.240	326.119	TOTAL STATE	341.326	8610.545
5) CPP (B3)	34.595	757.137			
TOTAL STATE	252.602	5999.817			

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	3276	3318	3430
MSGENCO Hydro	2096	1748	219
MSGENCO Gas	622	629	640
MSGENCO Total Generation	5994	5695	4289
Central Sector Receipt	3908	3750	3411
RGPPL	1607	1596	1630
WIND	23	221	125
CPP	1321	1507	1506
Exchange with Mumbai	-532	-746	-87
MSEDCL DEMAND MET	12364	12069	10918
Load Shedding (LS)	1853	1452	377
MSEDCL DEMAND (INCL. LS)	14217	13521	11295
TPCL GENERATION	1808	1806	989
REL GENERATION	523	264	526
TPCL+REL DEMAND	2863	2816	1602
STATE DEMAND MET	15227	14885	12520
Load Management (LM)	1855	3168	1497
Total Load Relief (LS+LM)	3708	4620	1874
UNRESTRICTED STATE DEMAND	18935	19505	14394
Frequency (Hz)	49.62	49.27	49.54

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 18.01 Hrs	48.8 Hz at 20.56 Hrs	49.45	14.65 % 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/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.86	12.31	139	77	135
Unit 6	2.38	75.15	118	0	110
Unit 7	2.55	82.25	130	95	115
	7.79	169.71			360
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.90	63.12	170	150	180
Unit 4		0.00	0	0	
	3.90	63.12			180
Parli					
Unit 3	3.28	62.68	177	123	130
Unit 4	0.00	0.00	0	0	0
Unit 5	3.12	81.53	143	115	130
Unit 6	3.78	71.51	175	146	160
Unit 7	0.00	56.59	0	0	0
	10.18	272.31			420
Chandrapur					
Unit 1	3.68	59.02	161	145	150
Unit 2	3.30	68.05	142	132	130
Unit 3	4.08	62.10	185	140	170
Unit 4	0.00	0.00	0	0	0
Unit 5	6.18	175.67	280	240	230
Unit 6	5.99	163.08	337	210	210
Unit 7	5.75	137.33	278	209	210
	28.99	665.26			1100
Paras					
Unit 3	2.30	6.19	172	55	170
Unit 4	3.04	84.68	194	75	170
	5.34	90.88			340
Khaparkheda					
Unit 1	3.62	92.02	165	135	150
Unit 2	3.73	73.48	164	150	150
Unit 3	3.82	86.09	168	151	160
Unit 4	3.72	100.24	162	145	160
Unit 5		4.53	0	0	
	14.87	356.36			620
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.91	87.26	200	120	170
Unit 4	3.60	27.03	168	131	160
Unit 5	3.06	40.15	164	89	120
	10.57	154.45			450
Uran					
All Units	15.03	403.62	645	603	630
	15.03	403.62			630
Dabhol					
RGPPL	38.66	850.56	1650	1582	1600
	38.66	850.56			1600
Koyna					
Stage 1-2	10.24	158.44	565	100	600
Stage 4	16.14	296.10	1107	30	250
Stage 3	5.22	108.14	320	0	320
	31.59	562.67			1170
Kovna 12&4 Total	26.38	454.54			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	7.79	0	0	0
VTRNA	0.00	15.29	0	0	60
TILLARI	0.21	17.92	57	0	60
BHTGR/VEER	0.21	9.00	9	8	7
BHIRA T.R.	0.28	10.78	82	0	80
RNGR+BHTSA	0.39	11.94	17	16	17
BHANDARDRA	0.12	14.56	32	0	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.53	28.76	30	18	13
GHATGHAR	0.00	19.62	0	0	0
	1.75	135.65			267
PENCH (MS)					
Pench (MS)	1.07	23.97	48	43	
	1.07	23.97			
Wind					
MalharPeth	0.15	17.23			
Vankuswadi	0.20	30.66			
ATIT	0.02	5.09			
Kale	0.09	10.99			
Satara	0.05	45.63			
Shirala	0.07	11.25			
K Mahankal	0.24	21.44			
Supa	0.04	4.81			
Vita	0.20	56.44			
Dondaicha	1.51	70.65			
Sakri	0.22	12.37			
Nandurbar	0.19	6.90			
Khandke	0.15	21.78			
Khaparale	0.10	10.87			
	3.24	326.12			
CPP					
JSW JAIGAD	24.91	510.16	1110	810	825
WARDHA	6.26	169.86	269	255	260
Other CPPs	3.42	77.11			
	34.60	757.14			1085
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	302.00	490	490	490
Trombay 6	9.02	160.50	500	160	500
Trombay 7A	2.60	79.87	123	70	120
Trombay 7B	1.50	44.43	67	52	60
Trombay 8	4.77	106.10	241	151	250
TATA Hydro	4.75	132.08	450	0	447
	34.39	824.99			1867
REL					
1&2	10.63	343.02	526	263	500
	10.63	343.02			500
Cent Sect					
Share					3537
					3537

MS PG CL	Thermal	81.65	1772.08		3470
	Thml+Gas	96.68	2175.70		4100
	Hydro	33.34	698.33		1437
	Total	130.02	2874.02		5537
State Total		252.60	5999.82		14126

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	3482	591	640	4713	1617	127	1509	3400	3557	-367	-326	11241	2235	11306	1947	15423	49.31
2	3575	560	640	4775	1625	137	1500	3306	3580	-362	-240	11421	2115	11490	1767	15303	49.47
3	3494	434	645	4573	1622	131	1498	3245	3472	-362	-154	11186	1785	11455	1667	14638	49.34
4	3430	219	640	4289	1630	125	1506	3209	3411	-362	-87	10918	1874	11295	1602	14394	49.54
5	3406	318	640	4364	1640	124	1497	3204	3430	-240	-79	11020	1959	11410	1593	14572	49.64
6	3371	1143	636	5150	1641	116	1449	3220	3496	-256	-175	11721	2274	12291	1688	15683	49.56
7	3441	1137	633	5211	1650	138	1434	3340	3516	-314	-332	11661	3178	13096	1848	16687	49.67
8	3390	1366	639	5395	1646	109	1439	3327	3323	-366	-378	11579	3339	13168	1994	16912	49.62
9	3370	1548	629	5547	1624	91	1443	3356	3760	-431	-442	12068	3364	13676	2268	17700	49.47
10	3348	1936	624	5908	1615	77	1401	3419	3771	-483	-545	12271	3309	13805	2615	18195	49.51
11	3241	1914	621	5776	1602	39	1311	3479	4037	-557	-561	12248	3507	13923	2855	18610	49.47
12	3276	2096	622	5994	1607	23	1321	3505	3908	-583	-532	12364	3708	14217	2863	18935	49.62
13	3385	1592	613	5590	1587	24	1443	3502	3569	-583	-519	11737	3969	13850	2850	18556	49.48
14	3435	1824	608	5867	1588	64	1433	3480	3578	-546	-448	12126	3500	13770	2757	18383	49.57
15	3340	1898	609	5847	1582	118	1438	3599	4042	-644	-554	12516	3347	13994	2833	18696	49.43
16	3411	1842	612	5865	1587	171	1443	3601	3681	-646	-592	12198	3686	14085	2826	18710	49.44
17	3465	1439	624	5528	1585	213	1466	3620	3884	-644	-685	12036	3759	14027	2779	18574	49.38
18	3407	1440	603	5450	1596	222	1470	3606	3717	-589	-791	11709	3804	13542	2744	18257	49.42
19	3416	1528	607	5551	1595	236	1472	3442	3924	-499	-732	12094	4506	13762	2718	19318	49.31
20	3318	1748	629	5695	1596	221	1507	3635	3750	-620	-746	12069	4620	13521	2816	19505	49.27
21	3507	1673	633	5813	1604	222	1494	3668	3999	-628	-629	12548	3778	13172	2653	18979	49.31
22	3486	1696	615	5797	1614	218	1502	3648	3941	-618	-655	12463	3468	12783	2488	18419	49.29
23	3372	1674	633	5679	1623	164	1219	3556	3880	-586	-775	11835	3355	12049	2334	17524	49.40
24	3280	1725	635	5640	1587	130	1400	3507	3496	-530	-684	11614	2880	11725	2176	16670	49.39
MUs	81.65	33.34	15.03	130.02	38.66	3.24	34.60	82.87	88.72	-11.82	-11.66	284.64	77.32	311.41	56.68	418.64	49.45

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 28/Sep/2011

Position as on 6.30 Hrs of 29/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.	01/10/2011
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.	
Koradi Unit 6	210	28/09/2011	10.00	28/09/2011	11.42	Furnace Pressure High.	
Koyna Unit 9	80	28/09/2011	10.25	28/09/2011	11.10	Aux.Supply Failed.	
Koyna Unit 11	80	28/09/2011	10.25	28/09/2011	11.05	Aux.Supply Failed.	
Koyna Unit 12	80	28/09/2011	10.25	28/09/2011	11.00	Aux.Supply Failed.	
Koyna Unit 10	80	28/09/2011	10.25	28/09/2011	11.15	Aux.Supply Failed.	
REL 2	250	28/09/2011	16.52		Continued.	BLR T/L.	01/10/2011
Parli Unit 5	210	29/09/2011	02.15		Continued.	Furnace Pressure high.	
Cent_Sect TARAPUR-4	540	29/09/2011	05.20		Continued.	Rotor E/F.	
Tata Trombay 8	250	29/09/2011	05.45		Continued.	Tripped	
Tata Trombay 5	500	29/09/2011	05.55		Continued.	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Sep/2011

Position as on 6.30 Hrs of 29/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.
Chandrapur-Bhadravti - I	26/09/2011	17.52		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11.5 KV 90 MVA Station T/F-IV @ Chandrapur	28/09/2011	09.45		Continued.	Repl.of R & Y & B-Ph old CT's under LE scheme.
Karad-Jaigad II	28/09/2011	12.30	28/09/2011	12.34	1 st time taken I/S, from Jaigad.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 Month Outage)
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 200 MVA ICT-II @ Jalna	26/09/2011	12.25		Continued.	Degasification of ICT.
Mulund-Trombay	28/09/2011	07.06	28/09/2011	12.59	Line isolator, Red hot.
Pedambe-Mahad	28/09/2011	08.20	28/09/2011	17.28	Maintenance work.
Badnera-Amravati	28/09/2011	08.23	28/09/2011	15.33	Replacement of B-Ph disc on loc.no 17.
Ambazari - Abhijeet	28/09/2011	09.51	28/09/2011	14.23	Q.M.Work
ONGC-TSS	28/09/2011	10.05	28/09/2011	15.50	R.M.Work
Parly - New Parly TPS - I	28/09/2011	10.20		Continued.	Retrofitting of dist.relay.
Chandrapur-Sicom - II	28/09/2011	10.53	28/09/2011	16.25	Testing of distance scheme.
Kalwa-Mulund	28/09/2011	11.07	28/09/2011	15.10	C.T.leakage.
Mahape-Tifil	28/09/2011	15.20	28/09/2011	17.02	C.T.leakage.
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	27/09/2011	21.58	28/09/2011	06.40	Over Voltage.
C'pur-Parli II	27/09/2011	22.31	28/09/2011	08.53	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	28/09/2011	18.57	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 for New 400KV K'Kheda Bay.
400 KV Bus Coupler @ Koradi	26/09/2011	06.02	28/09/2011	14.55	Bus Bar Protection Operated, Outage Averted on 400KV Main Bus-II So Not

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Sep/2011

Position as on 6.30 Hrs of 29/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Charged.
Karad-Jaigad II	28/09/2011	12.49	28/09/2011	16.39	Directional Protection.
Lonikand- Koyna Stage IV	28/09/2011	16.05		Continued.	Distance protection.
Voltage Level : 220KV					Outage Type TRIPPED
Phinolex-Kharepatan	28/09/2011	12.35	28/09/2011	12.56	Distance protection.
Bus sect.I at Trombay	29/09/2011	05.30		Continued.	Bus Bar Prot.Operated.
Trombay-Kalwa	29/09/2011	05.30		Continued.	Bus Bar Prot.Operated.
220/100 KV 200 MVA ICT II at Trombay	29/09/2011	05.30		Continued.	Bus Bar Prot.Operated.
Trombay - Tata Tie - II	29/09/2011	05.30		Continued.	Bus Bar Prot.Operated.
Trombay Sonkhar	29/09/2011	05.30		Continued.	Bus Bar Prot.Operated.
Voltage Level : 132KV					Outage Type TRIPPED
132/33 KV 50 MVA T/F - I @ Malkapur	27/09/2011	16.20	28/09/2011	17.43	H V Side R Ph.Isolator Heavy Sparking.Breaker do not Tripped.Hence Bus Bar Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Sep/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	100
Unit 7	210	130
	620	360
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	0	
	420	150
Parli		
Unit 3	210	140
Unit 4	210	0
Unit 5	210	0
Unit 6	250	160
Unit 7	250	0
	1130	300
Chandrapur		
Unit 1	210	150
Unit 2	210	130
Unit 3	210	170
Unit 4	210	0
Unit 5	500	250
Unit 6	500	250
Unit 7	500	250
	2340	1200
Paras		
Unit 3	250	70
Unit 4	250	100
	500	170
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	140
Unit 5	210	140
	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	0
TILLARI	60	60
BHTGR/VEER	21	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	
	611	177
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	360
Other CPPs	0	
	1005	1185
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	250
	500	250
Cent Sect		
Share	3455	3011
	3455	3011