



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Sep/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.711	2447.453	1) Gujrat	17.437	456.355
2) Hydro	13.300	359.545	2) Madhya Pradesh	18.210	610.978
3) Gas	8.780	267.171	3) Chattisgarh	9.880	320.150
Total MSGENCO	127.791	3074.169	4) Maharashtra	50.625	1824.356
B) 1) JSW JAIGAD	24.127	759.415	5) Goa	-5.903	-166.564
2) WPCL	9.240	196.061	6) TAPS 1&2 Injection	4.701	118.296
3) ADANI	11.380	82.180	7) RGPPL Injection	11.999	393.791
4) Other CPP / IPP	5.500	168.532	8) Pench (Excess)	-0.970	-24.170
5) Wind Generation	3.213	326.310	# Total Cent. Sector	105.979	3533.192
6) PENCH (MS)	0.970	24.215	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.025	-403.748
1) TPCL Thermal	26.393	773.546	G) Bilateral Power *		
2) TPCL Hydro	3.954	113.104	1) MSEDCL Bilateral	45.683	1116.265
TOTAL TPCL	30.347	886.650	Include PX	11.112	127.125
3) REL Thermal	12.588	263.029	2) MUMBAI Bilateral	11.940	426.765
D) STATE			Include PX	-0.228	89.106
1) Thermal (A1+C1+C3)	144.692	3484.028	3) MUMBAI Schedule	11.940	432.166
2) Hydro (A2+B5+C2)	18.224	496.864	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.780	267.171	1) MSEDCL	279.175	7760.326
4) Wind (B4)	3.213	326.310	2) TPCL	34.794	1052.592
5) CPP (B1+B2+B3)	50.247	1135.388	3) REL	17.198	500.825
TOTAL STATE	225.156	5709.761	TOTAL STATE	331.167	9313.743

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4410	4545	4246
MSGENCO Hydro	1396	357	183
MSGENCO Gas	374	349	383
MSGENCO Total Generation	6180	5251	4812
Central Sector Receipt	4519	4231	4197
WIND	107	170	131
CPP / IPP	1929	2247	1966
Exchange with Mumbai	-411	-326	-243
MSEDCL DEMAND MET	12374	11593	10913
Load Shedding	727	548	112
MSEDCL DEMAND	13101	12141	11025
TPCL GENERATION	1672	1330	1068
R-INFRA GENERATION	526	523	526
TPCL+R-INFRA DEMAND	2609	2179	1837
STATE DEMAND MET	14983	13772	12750
STATE DEMAND	15710	14320	12862
Frequency (Hz)	49.99	49.90	49.71

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 17.02 Hrs	49.35 Hz at 00.08 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 29/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	28.39	0	0	0
Unit 6	3.09	67.76	140	111	120
Unit 7	2.78	49.69	150	60	120
Total	5.87	145.84			240
Bhusawal					
Unit 2	3.44	83.72	150	135	150
Unit 3	1.48	20.92	155	0	0
Unit 4	0.00	14.57	0	0	
Unit 5	2.28	40.44	146	21	
Total	7.20	159.65			150
Parli					
Unit 3	3.17	75.10	158	6	152
Unit 4	3.28	67.87	169	95	155
Unit 5	0.00	12.66	0	0	0
Unit 6	3.55	81.12	209	95	160
Unit 7	4.08	93.12	190	152	160
Total	14.09	329.87			627
Chandrapur					
Unit 1	3.50	81.51	151	130	150
Unit 2	3.57	78.53	158	135	150
Unit 3	4.47	52.50	194	180	190
Unit 4	4.28	41.30	183	170	180
Unit 5	6.70	179.31	315	250	250
Unit 6	9.12	192.40	435	250	400
Unit 7	8.26	201.72	407	274	350
Total	39.90	827.27			1670
Paras					
Unit 3	3.71	90.66	172	140	160
Unit 4	3.47	88.31	161	130	150
Total	7.18	178.97			310
Khaparkheda					
Unit 1	3.26	92.42	175	85	150
Unit 2	3.34	100.35	165	95	150
Unit 3	3.05	97.63	152	0	160
Unit 4	3.49	106.91	155	133	160
Unit 5	6.99	111.91	338	219	300
Total	20.12	509.22			920
Nasik					
Unit 3	4.04	118.16	180	140	190
Unit 4	3.50	97.16	166	118	160
Unit 5	3.81	81.32	177	132	170
Total	11.35	296.64			520
Uran					
All Units	8.78	267.17	432	322	460
Total	8.78	267.17			460
PENCH (MS)					
Pench (MS)	0.97	24.22	50	0	
Total	0.97	24.22			
Koyna					
Stage 1-2	4.48	102.73	500	40	600
Stage 4	4.12	87.14	796	0	250
Stage 3	1.98	50.39	240	0	320
Kovna 12&4 Total	8.60	189.87			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.58	240.26			1170
Hydro					
KDPH	0.48	18.97	20	19	18
VTRNA	0.00	1.02	0	0	0
TILLARI	0.07	11.27	59	0	60
BHTGR/VEER	0.17	6.86	7	7	8
BHIRA T.R.	0.27	9.60	80	0	80
RNGR+BHTSA	0.35	5.74	15	14	15
BHANDARDRA	0.82	17.85	34	34	34
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.40	28.08	31	13	8
GHATGHAR	0.16	19.90	95	0	0
Total	2.72	119.28			223
Wind					
MalharPeth	0.32	18.48			
Vankuswadi	0.37	29.79			
ATIT	0.10	6.87			
Kale	0.17	10.18			
Satara	0.35	46.93			
Shirala	0.19	11.80			
K Mahankal	0.27	28.15			
Supa	0.12	5.06			
Vita	0.43	58.53			
Dondaicha	0.38	63.73			
Sakri	0.06	11.66			
Nandurbar	0.06	5.51			
Khandke	0.29	18.79			
Khaparale	0.10	10.85			
Total	3.21	326.31			
CPP					
JSW JAIGAD	24.13	759.42	1211	807	850
WARDHA	9.24	196.06	424	355	400
Adani	11.38	82.18	520	430	
Other CPPs	5.50	168.53			
Total	50.25	1206.19			1250
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.96	304.63	503	473	500
Trombay 6	5.52	195.38	490	157	500
Trombay 7A	1.67	74.56	72	67	120
Trombay 7B	1.27	43.22	55	51	60
Trombay 8	5.97	155.75	250	247	250
TATA Hydro	3.95	113.10	306	0	318
Total	30.35	886.65			1748
REL					
1&2	12.59	263.03	526	522	500
Total	12.59	263.03			500
Cent Sect					
Share					4871
Total					4871

MS PG CL	Thermal	105.71	2447.45			4437
	Thml+Gas	114.49	2714.62			4897
	Hydro	13.30	359.54			1393
	Total	127.79	3074.17			6290
State Total		225.16	5709.76			14659

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Sep/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4312	380	383	5075	152	1890	4348	4552	-505	-438	11281	48	11329	2080	13409	49.67
2	4192	493	383	5068	130	1933	4236	4306	-409	-339	11148	95	11243	1943	13186	49.71
3	4246	183	383	4812	131	1966	4177	4197	-427	-243	10913	112	11025	1837	12862	49.71
4	4261	133	383	4777	129	1954	4148	4276	-401	-203	10983	118	11101	1777	12878	49.86
5	4273	133	400	4806	133	1918	4132	4562	-420	-182	11286	136	11422	1737	13159	49.92
6	4345	393	432	5170	168	1904	4139	4525	-375	-177	11640	176	11816	1799	13615	49.71
7	4405	561	405	5371	206	1947	4221	4392	-449	-250	11686	590	12276	1806	14082	49.76
8	4443	392	392	5227	138	1985	4150	4510	-482	-324	11556	694	12250	1878	14128	49.89
9	4433	599	393	5425	145	1984	4198	4601	-517	-469	11706	727	12433	2092	14525	49.96
10	4492	548	378	5418	118	1926	4584	4691	-496	-419	11784	616	12400	2375	14775	49.94
11	4506	965	380	5851	116	1940	4498	4775	-521	-417	12315	659	12974	2578	15552	49.91
12	4410	1396	374	6180	107	1929	4407	4519	-580	-411	12374	727	13101	2609	15710	49.99
13	4315	1516	362	6193	100	2019	4583	4588	-580	-429	12521	822	13343	2591	15934	49.86
14	4281	1238	365	5884	74	2145	4409	4427	-580	-440	12110	681	12791	2497	15288	49.88
15	4429	1303	359	6091	126	2211	4364	4229	-580	-433	12274	570	12844	2444	15288	49.82
16	4489	745	356	5590	127	2204	4311	4476	-534	-390	12057	552	12609	2335	14944	49.92
17	4545	357	349	5251	170	2247	4059	4231	-524	-326	11593	548	12141	2179	14320	49.90
18	4419	165	343	4927	191	2269	4026	3997	-458	-315	11069	233	11302	2082	13384	49.99
19	4465	346	327	5138	129	2294	4277	4309	-390	-364	11527	41	11568	2143	13711	49.83
20	4489	708	322	5519	119	2281	4356	4431	-501	-470	11930	32	11962	2259	14221	49.88
21	4438	304	322	5064	119	2286	4404	4499	-521	-469	11549	32	11581	2251	13832	49.87
22	4490	134	325	4949	126	2342	4457	4313	-521	-489	11291	27	11318	2245	13563	49.91
23	4598	129	333	5060	137	2338	4510	4259	-563	-519	11325	12	11337	2232	13569	49.91
24	4435	179	331	4945	122	2335	4140	4319	-607	-509	11262	5	11267	2191	13458	49.80
MUs	105.71	13.30	8.78	127.79	3.21	50.25	103.13	105.98	-11.94	-9.02	279.18	8.25	287.43	51.96	339.39	49.86

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 29/Sep/2012

Position as on 6.30 Hrs of 30/Sep/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	01/10/2012
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.Gen.T/F overhauling	20/11/2012
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	29/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 3A	230	23/09/2012	09.35		Continued.	Gas Shortage.	
Bhusawal Unit 4	500	24/09/2012	01.35		Continued.	Boiler Tube Leakage.	01/10/2012
CPP JSW (J) U3	300	24/09/2012	05.00	29/09/2012	12.17	ESP Maint.Work.	
Bhusawal Unit 3	210	27/09/2012	04.56	29/09/2012	11.47	Boiler tube leakage.	
Parli Unit 3	210	28/09/2012	22.31	29/09/2012	00.43	Turbine Protection Operated.	
Koyna ST - IV 4	250	29/09/2012	23.00	30/09/2012	11.10	Step up T/F W Phase Oil Leakage.	
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Parli Unit 7	250	30/09/2012	09.38	30/09/2012	12.33	Station T/F problem.	
Koyna Stage 4	1000	30/09/2012	16.34	30/09/2012	17.21	While converting from Generation to condenser.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Sep/2012

Position as on 6.30 Hrs of 30/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Kolhapur - Mapusa - II	27/09/2012	16.10		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	27/09/2012	23.48		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
Aurangabad-Deepnagar-II	07/09/2012	09.42	29/09/2012	12.05	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
Padgha - Nagothane- II	28/09/2012	13.35	29/09/2012	10.21	Attending Main Breaker Pressure Switch Problem(Taken on TBC).
400/220 KV 315 MVA ICT-III @ Padgha	29/09/2012	09.46		Continued.	B Ph.of A Bus PG Isolator (Taken on TBC for 2 Days).
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	29/09/2012	11.15	29/09/2012	16.15	R.M.Work,Measurement of Tan Delta of C T
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/6.6kv Stn. T/F NO.IV @ KORADI	25/09/2012	13.06		Continued.	Testing work.
BombayDyeing - Sahara	29/09/2012	13.55	29/09/2012	14.17	Repl.of 63X Contractor.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha - Kalwa- I	30/09/2012	09.01	30/09/2012	17.33	Insulator Replacement Emergency Outage.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Aarey - Borivali	30/09/2012	10.28	30/09/2012	12.46	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Karad - Kolhapur - I	28/09/2012	17.15	29/09/2012	09.59	Over Voltage.
Karad - Kolhapur - II	29/09/2012	16.50	30/09/2012	09.34	Over Voltage.
Karad - Kolhapur - I	30/09/2012	16.07	30/09/2012	19.37	Over Voltage.
Bhusawal- Aurangabad	30/09/2012	16.23		Continued.	Over Voltage.(Repl.of insulator.opp.outage on 27.09.2012)
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Padgha-Temghar I	27/09/2012	09.35	30/09/2012	08.10	To Control Padgha ICT Loading.
Babaleshwar - Chalisgaon	27/09/2012	15.02		Continued.	To Relief Dhule ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
New Koyna - Koyna Stage IV - II	28/09/2012	21.39	29/09/2012	08.41	Over Voltage.
Deepnagar-Aurangabad-I	29/09/2012	11.31		Continued.	Dist.Prot.,Ready for Charging from

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Sep/2012

Position as on 6.30 Hrs of 30/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					20.58 Hrs.
New Koyna - Koyna Stage IV - II	30/09/2012	03.00	30/09/2012	08.55	Over Voltage.
Karad - Kolhapur - II	30/09/2012	19.25		Continued.	On O/V Due to Heavy Lightining @ Karad.
Karad - Newkoyna - I	30/09/2012	19.25	30/09/2012	19.39	On O/V Due to Heavy Lightining @ Karad.
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Oni	29/09/2012	12.00	29/09/2012	12.34	Backup Protection Operated @ Kharepatan End.
Oni - Kharepatan	29/09/2012	12.00	29/09/2012	12.20	Backup Protection Operated @ Kharepatan End.
Kalwa-Trombay	29/09/2012	12.39	29/09/2012	15.04	Distance Protection.
Oni - Kharepatan	29/09/2012	15.26	30/09/2012	05.14	Distance Protection.
Kalwa-Trombay	30/09/2012	10.50	30/09/2012	12.54	Dist.Prot. B Ph. Z- I Fault Current 11.69 KA.7.9 KM From Kalwa End 71.11 KM From Trombay End.
Nivali-N'koyna	30/09/2012	13.21	30/09/2012	13.49	Distance Protection.
Pedambe - Tambati	30/09/2012	13.45	30/09/2012	14.21	Distance Protection Zone - I.
Mudshingi - Chikodi	30/09/2012	19.40		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Muktainagar	29/09/2012	12.48	29/09/2012	13.21	Dist.Prot.Operated Z-I B ph.
132/33 KV 50 MVA T/F - I @ Waluj	29/09/2012	21.25	29/09/2012	21.32	Due Non Tripping of 33KV Chhaoni Ckt.
132/33 KV 50 MVA T/F - II @ Waluj	29/09/2012	21.25	29/09/2012	21.32	Due Non Tripping of 33KV Chhaoni Ckt.
Pusad-Umarkhed	30/09/2012	16.59	30/09/2012	17.07	Dist.Prot.Operated Z-I R Ph.
Bhandara-Ambhora	30/09/2012	20.45	30/09/2012	22.10	At Ambora R Ph. Coupling Condenser Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	135
	620	235
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	300
Parli		
Unit 3	210	145
Unit 4	210	150
Unit 5	210	0
Unit 6	250	165
Unit 7	250	160
	1130	620
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	175
Unit 4	210	175
Unit 5	500	275
Unit 6	500	425
Unit 7	500	300
	2340	1650
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	135
Unit 4	210	135
Unit 5	500	250
	1340	760
Nasik		
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
	630	540
Uran		
All Units	852	350
	852	350
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	222
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	1095
WARDHA	405	400
Adani	660	
Other CPPs	0	
	1665	1495
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	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4359
	3455	4359