



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Oct/2011 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.356	2668.849	1) Gujrat	6.631	364.459
2) Hydro	3.582	500.552	2) Madhya Pradesh	23.980	597.138
3) Gas	15.303	419.117	3) Chattisgarh	14.360	351.260
Total MSGENCO	124.241	3588.518	4) Maharashtra	43.335	1209.955
B) OTHERS			5) Goa	-6.925	-174.314
1) JSW JAIGAD	22.898	618.719	6) TAPS 1&2 Injection	7.806	208.788
2) WPCL	7.578	262.863	7) RGPPL Injection	33.268	402.178
3) Other CPP / IPP	2.999	135.744	8) Pench (Excess)	-0.260	-14.862
4) Wind Generation	4.398	95.115	# Total Cent. Sector	122.195	2944.602
5) PENCH (MS)	0.260	15.655	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.143	-285.192
1) TPCL Thermal	24.619	845.703	G) Bilateral Power *		
2) TPCL Hydro	5.057	93.827	1) MSEDCL Bilateral	34.319	896.264
TOTAL TPCL	29.676	939.530	Include PX	0.000	175.412
3) REL Thermal	12.618	362.464	2) MUMBAI Bilateral	10.434	342.017
D) STATE			Include PX	0.173	25.476
1) Thermal (A1+C1+C3)	142.593	3877.016	3) MUMBAI Schedule	10.434	343.042
2) Hydro (A2+B5+C2)	8.899	610.034	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.303	419.117	1) MSEDCL	275.426	7958.961
4) Wind (B4)	4.398	95.115	2) TPCL	34.168	1057.462
5) CPP (B1+B2+B3)	33.475	1017.326	3) REL	17.265	530.160
TOTAL STATE	204.668	6018.608	TOTAL STATE	326.859	9546.583

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	4354	4471	4317
MSGENCO Hydro	187	412	82
MSGENCO Gas	616	645	661
MSGENCO Total Generation	5157	5528	5060
Central Sector Receipt	5311	5388	4993
WIND	267	48	294
CPP / IPP	1511	1571	1571
Exchange with Mumbai	-283	-432	-291
MSEDCL DEMAND MET	11963	12131	11248
Load Shedding (LS)	644	313	55
MSEDCL DEMAND (INCL. LS)	12607	12444	11303
TPCL GENERATION	1629	1551	858
REL GENERATION	525	526	526
TPCL+REL DEMAND	2437	2509	1675
STATE DEMAND MET	14400	14640	12923
Load Management (LM)	2020	3292	219
Total Load Relief (LS+LM)	2664	3605	274
UNRESTRICTED STATE DEMAND	17064	18245	13197
Frequency (Hz)	49.76	49.97	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 18:31 Hrs	49.31 Hz at 18:08 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/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.44	88.52	161	126	155
Unit 6	3.67	87.88	174	129	160
Unit 7	0.00	22.85	0	0	0
Total	7.11	199.24			315
Bhusawal					
Unit 2	3.96	32.25	175	135	170
Unit 3	3.16	92.75	175	0	160
Unit 4	0.00	3.62	0	0	0
Total	7.12	128.62			330
Parli					
Unit 3	0.00	85.62	0	0	0
Unit 4	4.02	40.83	180	149	170
Unit 5	2.97	84.81	166	100	170
Unit 6	4.36	85.57	205	159	185
Unit 7	4.50	41.02	217	150	205
Total	15.86	337.86			730
Chandrapur					
Unit 1	3.99	110.62	168	162	160
Unit 2	3.46	93.57	149	138	140
Unit 3	4.32	121.08	186	160	190
Unit 4	2.42	53.74	204	0	0
Unit 5	9.60	240.66	455	335	330
Unit 6	8.66	234.70	415	305	325
Unit 7	10.03	246.21	492	291	400
Total	42.48	1100.57			1545
Paras					
Unit 3	3.47	92.53	166	129	150
Unit 4	2.35	68.37	151	65	150
Total	5.81	160.90			300
Khaparkheda					
Unit 1	3.82	112.41	180	130	180
Unit 2	3.74	86.13	185	136	180
Unit 3	3.82	117.61	168	140	160
Unit 4	3.94	123.82	197	140	180
Unit 5	0.00	31.95	0	0	0
Total	15.33	471.92			700
Nasik					
Unit 3	4.15	97.10	185	160	171
Unit 4	4.07	84.15	194	154	153
Unit 5	3.43	88.49	165	108	143
Total	11.65	269.74			467
Uran					
All Units	15.30	419.12	663	614	630
Total	15.30	419.12			630
PENCH (MS)					
Pench (MS)	0.26	15.66	47	0	0
Total	0.26	15.66			0
Koyna					
Stage 1-2	1.38	147.52	200	35	600
Stage 4	0.00	216.87	0	0	250
Stage 3	0.28	79.18	116	0	320
Total	1.66	443.57			1170
Kovna 12&4 Total	1.38	364.39			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	1.27	0	0	0
TILLARI	0.41	11.51	60	0	60
BHTGR/VEER	0.02	2.32	1	0	0
BHIRA T.R.	0.08	7.32	40	0	40
RNGR+BHTSA	0.38	9.48	16	15	0
BHANDARDRA	0.00	2.23	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.54	12.55	31	19	0
GHATGHAR	0.50	8.90	125	0	0
Total	1.92	56.98			100
Wind					
MalharPeth	0.39	6.54			
Vankuswadi	0.71	12.24			
ATIT	0.06	2.03			
Kale	0.25	4.02			
Satara	1.03	13.97			
Shirala	0.20	4.64			
K Mahankal	0.01	6.26			
Supa	0.11	2.54			
Vita	0.60	15.94			
Dondaicha	0.00	9.82			
Sakri	0.11	2.50			
Nandurbar	0.11	1.74			
Khandke	0.68	8.11			
Khaparale	0.14	4.78			
Total	4.40	95.12			
CPP					
JSW JAIGAD	22.90	618.72	1101	758	1100
WARDHA	7.58	262.86	368	298	360
Other CPPs	3.00	135.74			
Total	33.48	1017.33			1460
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.76	326.95	490	350	490
Trombay 6	4.60	230.95	290	155	500
Trombay 7A	2.60	76.96	122	92	120
Trombay 7B	1.48	43.68	66	57	60
Trombay 8	5.18	167.17	250	150	250
TATA Hydro	5.06	93.83	459	0	447
Total	29.68	939.53			1867
REL					
1&2	12.62	362.46	527	525	500
Total	12.62	362.46			500
Cent Sect					
Share					5596
Total					5596

MS PG CL	Thermal	105.36	2668.85			4387
	Thml+Gas	120.66	3087.97			5017
	Hydro	3.58	500.55			1270
	Total	124.24	3588.52			6287
State Total		204.67	6018.61			15710

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Oct/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4418	77	659	5154	251	1197	5256	5053	-448	-444	11234	366	11344	1925	13525	49.86
2	4409	77	654	5140	252	1197	5182	5031	-374	-370	11273	250	11328	1801	13324	49.83
3	4347	82	663	5092	304	1194	5157	5051	-325	-335	11306	268	11361	1753	13327	49.90
4	4317	82	661	5060	294	1192	5157	4993	-325	-291	11248	274	11303	1675	13197	50.08
5	4330	86	657	5073	334	1196	5157	5171	-325	-274	11500	256	11555	1643	13399	49.94
6	4364	126	644	5134	318	1187	5084	5176	-335	-292	11523	652	11604	1681	13856	49.77
7	4449	106	639	5194	354	1181	5122	4924	-328	-312	11341	1630	11484	1711	14682	49.73
8	4416	81	640	5137	295	1170	5145	4868	-328	-309	11161	1476	11298	1744	14381	49.97
9	4479	191	635	5305	302	1176	5155	4971	-328	-356	11398	1632	11576	1955	14985	49.77
10	4470	205	628	5303	307	1332	5434	5027	-478	-447	11522	2262	11624	2236	16020	49.84
11	4362	144	618	5124	267	1497	5503	5604	-478	-369	12123	2195	12344	2392	16710	49.82
12	4354	187	616	5157	267	1511	5575	5311	-478	-283	11963	2664	12607	2437	17064	49.76
13	4389	126	618	5133	148	1500	5475	5455	-478	-361	11875	2776	12631	2468	17119	49.74
14	4406	96	614	5116	87	1526	5357	5514	-478	-368	11875	2770	12672	2404	17049	49.93
15	4407	76	619	5102	75	1526	5319	5647	-478	-361	11989	2557	12707	2382	16928	49.86
16	4439	452	623	5514	42	1526	5195	5101	-478	-284	11899	2609	12669	2354	16862	49.81
17	4510	167	626	5303	37	1518	5144	4647	-423	-290	11215	2861	11912	2316	16392	49.81
18	4534	96	632	5262	44	1528	5201	4387	-423	-257	10983	2955	11341	2278	16216	49.77
19	4487	293	637	5417	46	1564	5379	5194	-498	-396	11853	3548	12181	2473	17874	49.78
20	4471	412	645	5528	48	1571	5584	5388	-544	-432	12131	3605	12444	2509	18245	49.97
21	4358	178	644	5180	59	1584	5598	5421	-544	-535	11734	3404	11847	2465	17603	49.81
22	4293	94	648	5035	71	1587	5585	4980	-544	-543	11157	3374	11254	2385	16916	50.02
23	4237	74	646	4957	92	1509	5346	4560	-499	-634	10524	3134	10600	2272	15930	49.96
24	4110	74	637	4821	104	1506	5013	4721	-499	-600	10599	2788	10662	2178	15565	49.85
MUs	105.36	3.58	15.30	124.24	4.40	33.48	127.12	122.20	-10.43	-9.14	275.43	50.31	282.35	51.44	377.17	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/Oct/2011

Position as on 6.30 Hrs of 30/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	
CPP WPCL U-1	135	26/10/2011	10.26	29/10/2011	17.16	ID Fan Problem.	
Dabhol 3B	230	26/10/2011	23.03	29/10/2011	09.58	Gas shortage.	
Chandrapur Unit 4	210	27/10/2011	10.10	29/10/2011	08.21	Boiler Tube Leakage.	
Parli Unit 3	210	28/10/2011	09.45		Continued.	ID fan problem.	01/11/2011
Cent_Sect NTPC(K-5)	500	29/10/2011	11.28	30/10/2011	16:39	Flame failure.	
Dabhol 3A	230	29/10/2011	13.22		Continued.	Due to gas shortage.	
Chandrapur Unit 7	500	29/10/2011	23.58		Continued.	Boiler tube leakage.	02/11/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2011

Position as on 6.30 Hrs of 30/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Borivali - Tarapur - II	30/10/2011	15.49	30/10/2011	15.50	On 30/10/11, the line will be converted as 220KV Tarapur-Borivali Ckt-II and will remain so during entire outage duration
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parli (PGCIL)-Bhadravati-II	23/10/2011	21:57	29/10/2011	06.00	Over Voltage.
Dhule-Sar'Sarovar - II	28/10/2011	08.05	29/10/2011	09.58	Over Voltage.
Dhule-Sar'Sarovar - I	29/10/2011	22.35	30/10/2011	10.14	Over Voltage.
Parli (PGCIL)-Bhadravati-II	30/10/2011	17.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	22/10/2011	17:05		Continued.	Bus-I Bus bar protection operated due to Bursting of 400 KV Solapur (PGCIL) circuit breaker (Y-ph pole).
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand- Koyna Stage IV	29/10/2011	05.40	29/10/2011	13.30	Insulator string replacement.
Lonikand - Parli - II	30/10/2011	08.17	30/10/2011	14.52	Replacement of Y Phase CVT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Kandalgaon - ONGC	29/10/2011	08.45	30/10/2011	17.17	Stringing and jumpering work of 220KV POSCO transmission line.
Kandalgaon - Topworth	29/10/2011	09.41	30/10/2011	17.08	Stringing and jumpering work of 220KV POSCO transmission line.
Jejuri - Parvati	29/10/2011	22.35	30/10/2011	02.31	Erection of suspension string in 220 KV bus section-2 for temp. shifting of T/F to new plinth.
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Trombay-Kalwa	30/10/2011	08.12	30/10/2011	17.37	Main Bus section-II outage at Trombay
Trombay - Tata Tie - II	30/10/2011	08.18	30/10/2011	17.39	Main Bus section-II outage at Trombay
220/100KV 200MVA ICT-III at Trombay	30/10/2011	08.21	30/10/2011	17.58	Main Bus section-II outage at Trombay
Trombay - Tifil	30/10/2011	08.22	30/10/2011	17.24	Main Bus section-II outage at Trombay
Trombay - Sonkar	30/10/2011	08.26	30/10/2011	17.15	Main Bus section-II outage at Trombay
220/100KV, 200 MVA ICT-II at Trombay.	30/10/2011	08.27	30/10/2011	17.48	Main Bus section-II outage at Trombay
Main Bus Section-II at Trombay	30/10/2011	08.29	30/10/2011	16.40	Lifting of Insulator to Facilitate the preparation of 220KV outdoor termination of upcoming 220KV

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2011

Position as on 6.30 Hrs of 30/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Chembur Lines
Raymond - TKS	30/10/2011	10.21	30/10/2011	14.05	B Phase CT Leakage
Voltage Level : 132KV					Outage Type PLANNED OUTAGE
132 KV Bus-I @ Bhusawal	29/10/2011	12.10	29/10/2011	16.12	Attended hot spot.
Voltage Level : 220KV					Outage Type FORCED OUTAGE
220/132 KV 150 MVA ICT-II @ Akola.	29/10/2011	14.44	29/10/2011	18.42	LV side R ph.CT leakage.
Voltage Level : 400KV					Outage Type HAND TRIPPED
Karad - Kolhapur - I	24/10/2011	06.50		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/10/2011	21.29	29/10/2011	05.20	Over Voltage.
Bhusawal- Aurangabad	29/10/2011	21.45	30/10/2011	07.15	Over Voltage.
Voltage Level : 220KV					Outage Type HAND TRIPPED
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N,40.44,45,46.
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.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50	29/10/2011	09.28	Buchholz Alarm Recieved.
Voltage Level : 220KV					Outage Type TRIPPED
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	19.06		Continued.	Tripped on R.E.F.
Hingoli-Parbhani	29/10/2011	05.30	29/10/2011	06.15	220KV Parbhani bus dead.
Parbhani-Girawali	29/10/2011	05.30	29/10/2011	06.01	220KV Parbhani bus dead.
Main Bus at Parbhani	29/10/2011	05.30	29/10/2011	06.01	220KV Parbhani bus dead.
220/33KV,50 MVA T/F-I at Bhigwan	29/10/2011	07.30	29/10/2011	08.15	L.T.feeder fault.
Chinchwad - Chakan	29/10/2011	22.40	29/10/2011	23.07	Distance protection.
Voltage Level : 132KV					Outage Type TRIPPED
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
Bhandara-Ambhora	30/10/2011	20.45	30/10/2011	20.50	Distance Protection
null					
Voltage Level : 400KV					Outage Type HAND TRIPPED
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	112
Unit 6	210	149
Unit 7	210	0
	620	261
Bhusawal		
Unit 2	210	170
Unit 3	210	0
Unit 4	500	0
	920	170
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	110
Unit 6	250	140
Unit 7	250	155
	1130	565
Chandrapur		
Unit 1	210	147
Unit 2	210	135
Unit 3	210	172
Unit 4	210	183
Unit 5	500	406
Unit 6	500	414
Unit 7	500	0
	2340	1457
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	170
Unit 5	500	0
	1340	650
Nasik		
Unit 3	210	135
Unit 4	210	162
Unit 5	210	126
	630	423
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	111
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	1100
WARDHA	405	360
Other CPPs	0	
	1005	1460
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	40
Trombay 8	250	250
TATA Hydro	444	447
	2024	1847
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5666
	3455	5666

	17900	7 of 7	15270
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