



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Nov/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Nov/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.423	3202.378	1) Madhya Pradesh	52.983	1535.223
2) Hydro	3.839	122.318	2) Gujrat	15.825	457.143
3) Gas	15.608	408.497	3) Goa	-5.612	-170.452
Total MSGENCO	140.870	3733.193	4) TAPS 1&2 (Inj.)	6.403	119.561
B) OTHERS			5) Pench (Excess)	-0.106	-8.518
1) RGPPL Gas	35.886	991.547	# Total Cent. Sector	69.493	1932.957
2) Wind Generation	3.710	111.934	F) Other Exchanges		
3) CPP / IPP	9.264	246.407	1) With TPCL (Excess)	-12.930	-324.221
4) PENCH (MS)	0.106	8.518	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.928	144.933
1) TPCL Thermal	23.501	716.906	Include PX	0.000	-9.864
2) TPCL Hydro	0.094	82.736	2) MUMBAI Bilateral	13.782	347.530
TOTAL TPCL	23.595	799.642	Include PX	5.359	142.561
3) REL Thermal	6.327	305.927	3) MUMBAI Schedule	13.782	348.410
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	151.251	4225.211	1) MSEDCL	246.399	6700.335
2) Hydro (A2+B3+C2)	4.039	213.572	2) TPCL	29.279	958.127
3) Gas (A3+B1)	51.494	1400.044	3) REL	13.573	471.617
4) Wind (B2)	3.710	111.934	TOTAL STATE	289.251	8130.079
5) CPP (B3)	9.264	246.407			
TOTAL STATE	219.758	6197.168			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5156	5084	4855
MSGENCO Hydro	142	826	89
MSGENCO Gas	667	645	669
MSGENCO Total Generation	5965	6555	5613
Central Sector Receipt	3094	3401	2084
RGPPL	1432	1534	1437
WIND	172	127	139
CPP / IPP	373	407	398
Exchange with Mumbai	-519	-685	-395
MSEDCL DEMAND MET	10517	11349	9276
Load Shedding	1874	2129	0
MSEDCL DEMAND (INCL. LS)	12391	13478	9276
TPCL GENERATION	975	1091	867
REL GENERATION	264	263	264
TPCL+REL DEMAND	1758	2039	1526
STATE DEMAND MET	12275	13388	10802
STATE DEMAND (INCL. LS)	14149	15517	10802
Frequency (Hz)	49.74	49.93	50.25
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2485 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			23.22 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 03.30 Hrs	49.42 Hz at 10.21 Hrs	49.99	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 28/Nov/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	37.51	0	0	0
Unit 2	1.61	44.24	71	60	70
Unit 3	1.40	37.97	66	47	65
Unit 4	1.42	15.43	70	53	72
Unit 5	3.12	93.67	137	121	130
Unit 6	3.00	94.96	142	94	135
Unit 7	3.08	69.62	140	100	130
	13.63	393.40			602
Bhusawal					
Unit 1	0.40	14.42	20	13	15
Unit 2	4.18	77.72	185	140	160
Unit 3	4.51	114.10	195	175	175
	9.09	206.23			350
Parli					
Unit 1	0.53	13.55	24	19	19
Unit 2	0.47	12.63	22	16	19
Unit 3	4.11	89.30	183	146	172
Unit 4	4.36	108.16	192	160	175
Unit 5	0.00	53.45	0	0	0
Unit 6	2.36	108.05	192	0	200
Unit 7	3.24	114.61	208	52	190
	15.07	499.76			775
Chandrapur					
Unit 1	3.42	97.50	158	133	160
Unit 2	3.39	95.12	148	132	150
Unit 3	4.42	90.29	204	127	190
Unit 4	4.38	111.03	194	160	180
Unit 5	9.88	229.81	430	350	425
Unit 6	9.99	213.44	470	360	425
Unit 7	9.56	229.75	435	329	400
	45.04	1066.94			1930
Paras					
Unit 2	0.00	9.87	0	0	0
Unit 3	5.08	95.64	229	170	210
Unit 4	2.94	119.37	167	82	140
	8.02	224.88			350
Khaparkheda					
Unit 1	4.68	128.93	210	170	210
Unit 2	4.69	81.20	202	172	210
Unit 3	4.27	120.17	186	167	200
Unit 4	3.93	113.46	171	156	180
	17.58	443.76			800
Nasik					
Unit 1	0.00	49.49	0	0	0
Unit 2	0.00	33.20	0	0	0
Unit 3	4.68	123.29	210	170	200
Unit 4	4.19	46.10	207	146	190
Unit 5	4.11	115.33	191	148	171
	12.99	367.41			561
Koyna					
Stage 1-2	1.41	41.86	260	30	520
Stage 4	0.00	5.86	0	0	250
Stage 3	0.25	11.42	176	0	320
	1.66	59.15			1090
Kovna 12&4 Total	1.41	47.72			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.61	408.50	670	609	640	
	15.61	408.50			640	
Hydro						
KDPH	0.00	0.87	0	0	0	
VTRNA	0.00	0.00	0	0	0	
TILLARI	0.38	10.99	60	0	60	
BHTGR/VEER	0.15	2.45	7	6	7	
BHIRA T.R.	0.14	5.77	45	0	60	
RNGR+BHTSA	0.02	9.46	2	0	16	
BHANDARDRA	0.00	1.19	0	0	0	
ELDARY	0.25	5.45	15	7	0	
SMLHY PTN	0.44	7.61	28	0	0	
GHATGHAR	0.80	19.38	250	0	0	
	2.18	63.17			143	
PENCH (MS)						
Pench (MS)	0.11	8.52	27	0		
	0.11	8.52				
Wind						
MalharPeth	0.26	4.52				
Vankuswadi	0.72	13.42				
ATIT	0.08	1.89				
Kale	0.30	4.65				
Satara	0.21	12.26				
Shirala	0.27	4.63				
K Mahankal	0.74	6.62				
Supa	0.05	2.52				
Vita	0.73	21.11				
Dondaicha	0.08	19.49				
Sakri	0.01	3.43				
Nandurbar	0.02	1.94				
Khandke	0.17	9.80				
Khaparale	0.09	5.66				
	3.71	111.93				
CPP						
TOTAL CPP	9.26	246.41				
	9.26	246.41				
Dabhol						
RGPPL	35.89	991.55	1559	1430	1555	
	35.89	991.55			1555	
Tata						
Trombay 4	0.00	0.00	0	0	0	
Trombay 5	10.86	305.00	490	375	500	
Trombay 6	4.50	146.23	275	150	500	
Trombay 7A	2.90	80.30	123	119	120	
Trombay 7B	1.61	41.31	68	66	60	
Trombay 8	3.63	144.07	155	150	250	
TATA Hydro	0.09	82.74	76	0	447	
	23.60	799.64			1877	
REL						
1&2	6.33	305.93	265	263	250	
	6.33	305.93			250	
Cent Sect						
Share					3263	
					3263	
MS PG CL	Thermal	121.42	3202.38		5368	
	Thml+Gas	137.03	3610.88		6008	
	Hydro	3.84	122.32		1233	
	Total	140.87	3733.19		7241	
State Total		219.76	6197.17		14186	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Nov/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum SCH.	Mum NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	5171	84	661	5916	1466	86	356	2541	1857	-573	-559	9122	0	9122	1773	10895	50.01
2	5103	69	667	5839	1437	107	377	2445	1928	-479	-462	9226	0	9226	1617	10843	50.07
3	4855	89	669	5613	1437	139	398	2373	2084	-409	-395	9276	0	9276	1526	10802	50.25
4	4791	84	667	5542	1435	132	399	2326	2261	-363	-341	9428	0	9428	1473	10901	50.29
5	4905	94	667	5666	1443	147	400	2326	2339	-363	-332	9663	0	9663	1469	11132	50.09
6	5173	79	609	5861	1553	185	387	2570	2451	-353	-325	10112	0	10112	1506	11618	49.95
7	5244	84	609	5937	1559	223	400	2776	2576	-432	-389	10306	0	10306	1553	11859	49.98
8	5243	94	667	6004	1552	202	388	2793	2824	-431	-394	10576	555	11131	1570	12701	49.90
9	5199	103	670	5972	1477	145	376	2921	2939	-477	-462	10447	1502	11949	1640	13589	49.85
10	5156	142	667	5965	1432	172	373	3235	3094	-523	-519	10517	1874	12391	1758	14149	49.74
11	5067	243	651	5961	1430	195	367	3331	3054	-613	-614	10393	1519	11912	1906	13818	49.76
12	5007	190	643	5840	1468	220	370	3383	3366	-637	-598	10666	1122	11788	1941	13729	49.89
13	4993	71	636	5700	1525	208	378	3400	3430	-666	-628	10613	1119	11732	1928	13660	49.93
14	5027	81	639	5747	1530	174	368	3395	3453	-666	-627	10645	1043	11688	1867	13555	50.10
15	5078	77	646	5801	1519	143	372	3321	3325	-642	-605	10555	1017	11572	1824	13396	49.95
16	5008	74	639	5721	1522	134	360	3177	3391	-618	-578	10550	1201	11751	1797	13548	49.96
17	5042	84	637	5763	1527	145	360	3163	3251	-604	-545	10501	1539	12040	1821	13861	49.99
18	5045	284	635	5964	1529	132	377	3127	3352	-576	-528	10826	1562	12388	1779	14167	49.91
19	5084	826	645	6555	1534	127	407	3265	3401	-743	-685	11349	2129	13478	2039	15517	49.93
20	5117	506	652	6275	1539	129	417	3423	3284	-767	-710	10961	2352	13313	2086	15399	49.95
21	5110	308	656	6074	1543	142	421	3401	3450	-767	-717	10940	2193	13133	2087	15220	49.97
22	5063	61	658	5782	1553	141	416	3329	3167	-743	-684	10401	1921	12322	2048	14370	50.12
23	5002	56	658	5716	1444	146	418	2949	2765	-719	-663	9842	210	10052	1983	12035	50.00
24	4948	56	658	5662	1432	145	379	2693	2450	-619	-570	9498	0	9498	1861	11359	50.14
MUs	121.4 3	3.84	15.61	140.88	35.89	3.72	9.26	71.66	69.49	-13.78	-12.93	246.41	22.86	269.27	42.85	312.12	49.99

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 for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 28/Nov/2010

Position as on 6.30 Hrs of 29/Nov/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
Parli Unit 5	210	19/11/2010	01.05		Continued.	Annual Overhaul	20/12/2010
Cent_Sect NTPC(V-3)	210	23/11/2010	00.20		Continued.	Annual overhaul.	05/12/2010
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
REL 1	250	24/11/2010	03.55		Continued.	Annual overhaul	18/12/2010
Koyna Unit 7	80	25/11/2010	07.05		Continued.	Turbine Guide Bearing repl.work	28/11/2010
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.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/11/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	30/11/2010
Koradi Unit 1	105	25/11/2010	12.46		Continued.	Boiler Feed Pump problem	
CPP JSW_JAIGAD	300	25/11/2010	21.35		Continued.	Boiler Tube Leakage.	29/11/2010
Cent_Sect NTPC(K-5)	500	26/11/2010	16.33		Continued.	Boiler Tube Leakage.	29/11/2010
Nasik Unit 1	125	26/11/2010	17.50		Continued.	Trouble Shooting.	27/11/2010
Cent_Sect NTPC(V-4)	210	27/11/2010	12.07		Continued.	Boiler Tube Leakage.	30/11/2010
Parli Unit 6	250	28/11/2010	15.25		Continued.	BLR T/L.	01/12/2010
Cent_Sect NTPC (K-2)	210	28/11/2010	20.30		Continued.	BLR T/L.	01/12/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2010

Position as on 6.30 Hrs of 29/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	22/10/2010	14.43	28/11/2010	16.37	Changeover.
Akola - Wardha - I	11/11/2010	23.47	28/11/2010	18.33	Over Voltage.
Kolhapur - Mapusa - I	24/11/2010	22.32		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	25/11/2010	01.38		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	27/11/2010	23.13		Continued.	Over Voltage.
Akola - Aurangabad- II	28/11/2010	16.49		Continued.	Changeover.
Akola - Wardha - II	28/11/2010	18.37		Continued.	Change over
Voltage Level : 220KV			Outage Type TRIPPED		
Badnera - Deoli (PGCIL)	28/11/2010	18.57	28/11/2010	19.55	Distance protection operated.
Badnera - Deoli (PGCIL)	28/11/2010	20.37	28/11/2010	20.22	Distance protection operated.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
220/132KV 100MVA ICT-II @ Chalisgaon	08/11/2010	11.10		Continued.	Commissioning of new 200MVA ICT by replacing 100MVA ICT.
220/132 KV 150 MVA ICT - I @ NSK.	10/11/2010	09.40		Continued.	Augmentation of existing 150 MVA ICT by new 200MVA ICT (Up to 09.12.2012)
B - Bus at Boiser	21/11/2010	09:02		Continued.	Maintenance Isolator alignment and Hot spot.
Jejuri-Phursungi	22/11/2010	12.35		Continued.	Overhauling of breaker.
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
Dahanu-Bhoisor	28/11/2010	07.35	28/11/2010	18.37	Bay equipment preventive maintenance.
220/100 KV125 MVA ICT-III @ Trombay	28/11/2010	09.33	28/11/2010	20.22	Due to outage of group breaker No. 1 and 2 of 110 KV Trombay (Tata).
Trombay-Mulund	28/11/2010	11.08	28/11/2010	20.03	Insulator replacement work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 600 MVA ICT-II @ Kalwa	28/11/2010	06.16	28/11/2010	10.29	Hot Spot Attending.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	27/11/2010	22.05		Continued.	Over Voltage.
Bhusawal- Aurangabad	27/11/2010	22.17	28/11/2010	05.56	Over Voltage.
Bhusawal- Aurangabad	28/11/2010	23.40	29/11/2010	04.40	Over Voltage.
Lonikand- Koyna Stage IV	29/11/2010	01.58		Continued.	Over Voltage.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Chinchwad - Talegaon	28/11/2010	14.40	28/11/2010	16.55	Red Hot.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,105 MVA Spare ICT @ Dhule	28/11/2010	11.56	28/11/2010	16.20	PRV Indication.
Chandrapur - Khaparkheda	29/11/2010	04.16		Continued.	Distance protection operated.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2010

Position as on 6.30 Hrs of 29/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Koradi - Bhusawal	29/11/2010	04.16	29/11/2010	04.21	At Koradi end only B/U protection operated.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	20/11/2010	21.32		Continued.	Differential Protection.
Babaleshwar - Ranjangaon	28/11/2010	01.55	28/11/2010	01.59	Distance Protection.
Phursungi - Theur	28/11/2010	03.23	28/11/2010	05.13	Distance Protection.
Babaleshwar - Ranjangaon	28/11/2010	03.59	28/11/2010	04.23	Distance Protection.
Trombay-Dharavi	28/11/2010	16.04	28/11/2010	16.17	Distance protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Kawlewada-Madgi-I	28/11/2010	06.21	28/11/2010	06.37	Distance protection operated.
Ujani-Umarga	28/11/2010	13.40	28/11/2010	19.13	Distance protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Nov/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	60
Unit 4	105	50
Unit 5	200	120
Unit 6	210	130
Unit 7	210	130
	1040	560
Bhusawal		
Unit 1	58	20
Unit 2	210	180
Unit 3	210	195
	478	395
Parli		
Unit 1	30	19
Unit 2	30	19
Unit 3	210	175
Unit 4	210	175
Unit 5	210	0
Unit 6	250	0
Unit 7	250	190
	1190	578
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	190
Unit 5	500	425
Unit 6	500	425
Unit 7	500	400
	2340	1930
Paras		
Unit 2	55	0
Unit 3	250	210
Unit 4	250	100
	555	310
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	800
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	192
Unit 4	210	192
Unit 5	210	200
	870	584
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	45
RNGR+BHTSA	20	
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	114
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	1554
	960	1554
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	3143	3562
	3143	3562