



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Jan/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.598	3405.037	1) Gujrat	6.138	227.551
2) Hydro	7.352	253.625	2) Madhya Pradesh	14.768	414.768
3) Gas	9.671	308.938	3) Chattisgarh	8.670	258.480
Total MSGENCO	141.621	3967.600	4) Maharashtra	68.514	1760.166
B) 1) JSW JAIGAD	25.089	717.213	5) Goa	-5.794	-150.624
2) WPCL	8.543	245.551	6) TAPS 1&2 Injection	3.396	92.297
3) ADANI	9.690	251.110	7) RGPPL Injection	3.190	162.599
4) Other CPP / IPP	8.981	268.648	8) Pench (Excess)	-0.082	-5.371
5) Wind Generation	3.222	94.179	# Total Cent. Sector	98.800	2759.866
6) PENCH (MS)	0.082	5.371	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.951	-237.724
1) TPCL Thermal	20.836	566.057	G) Bilateral Power *		
2) TPCL Hydro	4.332	116.495	1) MSEDCL Bilateral	40.092	1073.198
TOTAL TPCL	25.168	682.552	Include PX	0.000	-1.428
3) REL Thermal	12.162	334.170	2) MUMBAI Bilateral	10.398	255.327
D) STATE			Include PX	-0.753	-60.419
1) Thermal (A1+C1+C3)	157.596	4305.264	3) MUMBAI Schedule	10.398	255.327
2) Hydro (A2+B5+C2)	11.766	375.491	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.671	308.938	1) MSEDCL	287.077	8071.814
4) Wind (B4)	3.222	94.179	2) TPCL	30.714	834.946
5) CPP (B1+B2+B3)	52.303	1241.102	3) REL	15.566	419.758
TOTAL STATE	234.558	6324.974	TOTAL STATE	333.357	9326.518

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5172	5326	4766
MSGENCO Hydro	1183	248	131
MSGENCO Gas	406	403	402
MSGENCO Total Generation	6761	5977	5299
Central Sector Receipt	4763	4768	3328
WIND	90	159	171
CPP / IPP	2365	2085	1995
Exchange with Mumbai	-406	-461	-124
MSEDCL DEMAND MET	13573	12561	10669
Load Shedding	454	63	9
MSEDCL DEMAND	14027	12624	10678
TPCL GENERATION	1278	1381	677
R-INFRA GENERATION	530	529	389
TPCL+R-INFRA DEMAND	2214	2371	1190
STATE DEMAND MET	15787	14932	11859
STATE DEMAND	16241	14995	11868
Frequency (Hz)	50.01	49.97	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 17:02 Hrs	49.5 Hz at 07:23 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/Jan/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	2.66	74.52	131	90	105
Unit 7	3.32	81.43	175	120	145
Total	5.98	155.95			250
Bhusawal					
Unit 2	4.07	76.28	180	160	180
Unit 3	4.12	108.72	180	140	160
Unit 4	0.00	163.96	0	0	0
Unit 5	2.14	35.24	245	0	0
Total	10.33	384.21			340
Parli					
Unit 3	3.52	87.06	160	137	140
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	89.22	0	0	0
Unit 6	0.00	134.86	0	0	0
Unit 7	4.64	10.23	236	161	166
Total	8.16	321.37			306
Chandrapur					
Unit 1	3.50	100.92	150	132	150
Unit 2	3.52	78.41	154	139	140
Unit 3	4.66	130.58	198	184	200
Unit 4	4.78	115.42	205	185	200
Unit 5	9.81	273.45	430	350	425
Unit 6	10.30	243.57	455	350	460
Unit 7	9.76	250.81	445	365	460
Total	46.33	1193.17			2035
Paras					
Unit 3	5.42	139.20	243	210	235
Unit 4	5.35	149.71	238	207	235
Total	10.77	288.91			470
Khaparkheda					
Unit 1	4.43	112.80	200	165	185
Unit 2	4.32	110.04	200	155	185
Unit 3	4.62	109.78	217	130	185
Unit 4	4.80	119.04	217	173	185
Unit 5	12.07	264.29	520	482	500
Total	30.24	715.96			1240
Nasik					
Unit 3	4.38	120.90	195	165	195
Unit 4	4.11	115.58	180	152	185
Unit 5	4.31	109.00	191	172	195
Total	12.80	345.48			575
Uran					
All Units	9.67	308.94	409	400	390
Total	9.67	308.94			390
PENCH (MS)					
Pench (MS)	0.08	5.37	40	0	0
Total	0.08	5.37			0
Koyna					
Stage 1-2	1.46	67.05	230	40	450
Stage 4	1.26	49.48	496	0	250
Stage 3	0.89	25.11	160	0	240
Kovna 12&4 Total	2.72	116.53			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.60	141.64			940
Hydro					
KDPH	0.79	14.03	39	19	36
VTRNA	0.23	1.87	61	0	0
TILLARI	0.34	4.42	60	0	60
BHTGR/VEER	0.05	1.90	2	1	2
BHIRA T.R.	0.18	7.50	63	0	80
RNGR+BHTSA	0.36	10.05	15	14	12
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	0.89	27.14	44	34	10
GHATGHAR	0.91	45.02	240	0	0
Total	3.75	111.98			200
Wind					
MalharPeth	0.20	4.94			
Vankuswadi	0.31	7.25			
ATIT	0.04	2.57			
Kale	0.13	2.30			
Satara	0.69	9.37			
Shirala	0.12	3.14			
K Mahankal	0.01	3.40			
Supa	0.07	1.85			
Vita	0.42	10.88			
Dondaicha	0.80	31.98			
Sakri	0.08	4.12			
Nandurbar	0.04	2.76			
Khandke	0.20	5.57			
Khaparale	0.12	4.05			
Total	3.22	94.18			
CPP					
JSW JAIGAD	25.09	717.21	1147	904	1045
WARDHA	8.54	245.55	399	324	360
Adani	9.69	251.11	480	360	
Other CPPs	8.98	268.65			
Total	52.30	1482.52			1405
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.39	260.48	500	281	500
Trombay 6	0.00	104.15	0	0	0
Trombay 7A	3.01	80.95	130	113	130
Trombay 7B	1.65	45.15	70	65	60
Trombay 8	5.78	75.33	252	196	250
TATA Hydro	4.33	116.50	441	0	447
Total	25.17	682.55			1387
REL					
1&2	12.16	334.17	530	389	500
Total	12.16	334.17			500
Cent Sect					
Share					4552
Total					4552

MS PG CL	Thermal	124.60	3405.04			5216
	Thml+Gas	134.27	3713.98			5606
	Hydro	7.35	253.62			1140
	Total	141.62	3967.60			6746
State Total		234.56	6324.97			14590

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Jan/2013

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	5039	135	403	5577	100	2044	3374	3140	-211	-110	10751	4	10755	1398	12153	50.09
2	4994	136	403	5533	89	2082	3333	3170	-169	-166	10708	7	10715	1272	11987	50.13
3	4926	131	404	5461	104	1992	3302	3276	-136	-152	10681	8	10689	1217	11906	50.15
4	4766	131	402	5299	171	1995	3545	3328	-390	-124	10669	9	10678	1190	11868	50.12
5	4779	136	402	5317	159	2006	3607	3554	-455	-125	10911	44	10955	1207	12162	50.07
6	4983	194	402	5579	286	2091	3551	3690	-157	-28	11618	200	11818	1330	13148	49.87
7	5044	246	401	5691	234	2189	3998	3774	-332	-104	11784	534	12318	1534	13852	49.85
8	5165	271	401	5837	191	2262	4183	4418	-397	-185	12523	712	13235	1691	14926	49.78
9	5156	314	404	5874	81	2379	4246	4718	-451	-297	12755	754	13509	1931	15440	49.81
10	5172	1183	406	6761	90	2365	4322	4763	-496	-406	13573	454	14027	2214	16241	50.01
11	5197	1103	409	6709	88	2384	4663	4595	-653	-536	13240	431	13671	2391	16062	50.04
12	5299	596	407	6302	48	2338	4896	4941	-696	-551	13078	620	13698	2431	16129	49.98
13	5366	344	407	6117	28	2306	4876	4759	-671	-527	12683	774	13457	2413	15870	49.95
14	5422	130	404	5956	39	2322	4746	4572	-564	-472	12417	751	13168	2319	15487	50.09
15	5367	220	406	5993	55	2326	4700	4535	-579	-503	12406	646	13052	2344	15396	49.94
16	5400	575	401	6376	70	2360	4640	4373	-587	-519	12660	518	13178	2325	15503	49.94
17	5372	428	403	6203	131	2253	4716	4197	-572	-554	12230	366	12596	2350	14946	50.04
18	5419	113	402	5934	138	2168	4065	3749	-347	-601	11388	117	11505	2281	13786	49.98
19	5434	202	401	6037	165	2107	4441	4552	-423	-690	12211	45	12256	2323	14579	49.92
20	5326	248	403	5977	159	2085	4565	4768	-467	-461	12561	63	12624	2371	14995	49.97
21	5271	178	400	5849	233	2089	4196	4530	-444	-486	12224	59	12283	2242	14525	49.89
22	5189	114	400	5703	246	2052	4160	4038	-444	-616	11423	54	11477	2047	13524	50.04
23	5253	115	400	5768	183	2057	3976	3729	-423	-430	11307	15	11322	1831	13153	50.01
24	5259	109	400	5768	134	2051	3692	3631	-334	-308	11276	10	11286	1629	12915	50.05
MUs	124.60	7.35	9.67	141.62	3.22	52.30	99.79	98.80	-10.40	-8.95	287.08	7.20	294.27	46.28	340.55	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 # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 28/Jan/2013

Position as on 6.30 Hrs of 29/Jan/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	15/02/2013
Koyna Unit 4	75	17/01/2013	07.25		Continued.	Injector metal filling.	02/02/2013
Koyna Unit 3	75	17/01/2013	08.15		Continued.	Water Leakage.	02/02/2013
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP WPCL U-4	135	11/01/2013	13.42	29/01/2013	02.08	Bottom ash problem.	
Bhusawal Unit 5	500	22/01/2013	11.52	28/01/2013	02.43	Coal Mill Problem	
Tata Trombay 6	500	23/01/2013	22.57		Continued.	Economy Shutdown.	
Parli Unit 5	210	24/01/2013	22.45		Continued.	Boiler Tube Leakage.	28/01/2013
Parli Unit 6	250	25/01/2013	19.49		Continued.	Economiser tube leakage.	
Dabhol 2A	230	26/01/2013	12.07	28/01/2013	07.00	Gas Shortage.	
Dabhol 2X	290	26/01/2013	12.07	28/01/2013	09.15	Gas Shortage.	
Bhusawal Unit 4	500	27/01/2013	09.13		Continued.	Boiler tube leakage.	
Bhusawal Unit 5	500	28/01/2013	03.14	28/01/2013	06.53	Flame failure.	
Bhusawal Unit 5	500	28/01/2013	19.32		Continued.	Condenser Low Vacuum	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2013

Position as on 6.30 Hrs of 29/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	13/01/2013	17.34		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	17/01/2013	13.49		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/01/2013	17.39		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	26/01/2013	17.18	28/01/2013	09.15	Over Voltage
Dhule-Sar'Sarovar - I	28/01/2013	23.24		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	28/01/2013	16.57		Continued.	To Control Wardha-Yavatmal Line Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	20/01/2013	17.07		Continued.	Over Voltage.
Dabhol - NewKoyna - II	27/01/2013	17.56	28/01/2013	17.00	Over Voltage.
Wardha - Akola - I	27/01/2013	21.46	28/01/2013	05.27	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	15/01/2013	09.51		Continued.	Replacement of Old Not working CT
400/220 KV 600 MVA ICT-II @ Kalwa	18/01/2013	08.29		Continued.	Replacement of R ph.T/F.(Outage upto 03.02.2013)
Koradi - Indiabull (Nandgaonpeth)	28/01/2013	09.00		Continued.	Tower Erection
Karad - Newkoyna - I	28/01/2013	12.20		Continued.	Replacement of Isolator(Ready for charging from 20.05Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Kalwa-Temghar	27/01/2013	06.58	28/01/2013	00.22	Shifting of exsiting Kalwa-Temghar line on Newly erected Tower.
Bale - Lamboti I	28/01/2013	07.08		Continued.	Insulator replacement work
Khaparkhedha-Kawlewada-I	28/01/2013	08.20	28/01/2013	18.50	Replacement of Earth Wire
Akola - Badnera - I	28/01/2013	10.08	28/01/2013	15.00	Auxiliary Isolator Alignment work
Uran - HOCL	28/01/2013	10.18	28/01/2013	16.14	Single String to Double String work
Kalwa - Salshet - IV	28/01/2013	10.29		Continued.	Replacement of Isolator(Taken on TBC)
Mudsinghi - Mumewadi - I	28/01/2013	12.30	28/01/2013	16.59	Main Bus-I Outage
220/132 KV 100 MVA ICT - I at Balapur	28/01/2013	12.35		Continued.	Release of Air From Buchholz relay
Main Bus - I at Kolhapur.	28/01/2013	13.10	28/01/2013	16.50	PT Commissioning work
Akola - Badnera - II	28/01/2013	15.12	28/01/2013	18.29	Auxiliary Isolator Alignment work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Pal	27/01/2013	07.08	28/01/2013	00.25	Shifting of exsiting Kalwa-Temghar line on Newly erected Tower.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2013

Position as on 6.30 Hrs of 29/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa - Nocil - II	27/01/2013	07.20	28/01/2013	14.32	Shifting of exsiting Kalwa-Temghar line on Newly erected Tower.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	20/03/2012	11.50		Continued.	High tan delta of bushing.
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
80MVAR Bus reactor breaker-I at BBLSR	08/01/2013	05.35		Continued.	Air leakage in B phase of CB(Taken on TBC at 17.43Hrs/15-1-2013)
Deepnagar-Aurangabad-I	12/01/2013	13.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	25/01/2013	17.07	28/01/2013	08.16	Over Voltage.
Karad - Kolhapur - II	25/01/2013	20.00		Continued.	Over Voltage.
Karad - Kolhapur - I	27/01/2013	17.06	28/01/2013	08.49	Over Voltage.
Karad - Kolhapur - I	28/01/2013	16.53		Continued.	Over Voltage
Bhusawal- Aurangabad	28/01/2013	17.05		Continued.	Over Voltage
Chandrapur - Parli - III	28/01/2013	21.20		Continued.	Over Voltage
Lonikand- Koyna Stage IV	28/01/2013	22.04		Continued.	Over Voltage
Padgha - Nagothane - I	29/01/2013	01.40		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
Wardha-Deoli	24/01/2013	14.30	28/01/2013	15.58	Yawatmal Area Line Loading Control.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE I -CHDPR	28/01/2013	15.01	28/01/2013	16.19	Tripped on Earth Fault (Only from C'Pur)
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Bhusawal - Deepnagar - I	06/01/2013	21.22		Continued.	Due to B ph.CT burst.
Karad-Jaigad I	27/01/2013	17.57	28/01/2013	08.39	Over Voltage.
Dabhol - Nagothane - I	27/01/2013	21.57	28/01/2013	08.37	Over Voltage.
Karad - Newkoyna - I	28/01/2013	03.07	28/01/2013	09.00	Over Voltage.
Karad-Jaigad I	29/01/2013	03.46		Continued.	Over Voltage
Voltage Level : 132KV			Outage Type TRIPPED		
Baramati-Bharat forge.	28/01/2013	00.35	28/01/2013	03.18	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	140
	620	260
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	0
Unit 5	500	0
	1420	360
Parli		
Unit 3	210	160
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	235
	1130	395
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	460
	2340	2035
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
Unit 5	500	500
	1340	1260
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	390
	852	390
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	240
	1920	940
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	5
GHATGHAR	250	0
	611	198
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	1200	1045
WARDHA	405	360
Adani	660	
Other CPPs	0	
	2265	1405
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	125
Trombay 7B	60	65
Trombay 8	250	250
TATA Hydro	444	447
	2024	1387
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4559
	3455	4559