



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Oct/2013

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.706	2758.255	1) Gujrat	7.846	272.120
2) Hydro	29.091	391.417	2) Madhya Pradesh	22.822	507.239
3) Gas	11.393	309.133	3) Chattisgarh	11.700	263.380
Total MSGENCO	129.190	3458.805	4) Maharashtra	77.439	1892.468
B) 1) JSW JAIGAD	18.546	596.434	5) Goa	-5.288	-156.070
2) WPCL	5.579	188.741	6) TAPS 1&2 Injection	7.482	186.121
3) ADANI	38.000	954.030	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	5.112	244.233	8) Pench (Excess)	-0.885	-22.143
5) Wind Generation	1.376	173.060	# Total Cent. Sector	121.116	2943.115
6) PENCH (MS)	0.885	22.143	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.215	-606.917
1) TPCL Thermal	22.347	568.985	G) Bilateral Power *		
2) TPCL Hydro	6.077	114.375	1) MSEDCL Bilateral	20.528	631.010
TOTAL TPCL	28.424	683.360	Include PX	0.000	-13.611
3) REL Thermal	12.468	334.750	2) MUMBAI Bilateral	20.559	537.731
D) STATE			Include PX	8.300	150.275
1) Thermal (A1+C1+C3)	123.521	3661.990	3) MUMBAI Schedule	20.559	537.891
2) Hydro (A2+B5+C2)	36.053	527.935	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.393	309.133	1) MSEDCL	298.589	7973.644
4) Wind (B4)	1.376	173.060	2) TPCL	40.035	1048.746
5) CPP (B1+B2+B3)	67.237	1067.408	3) REL	22.070	576.250
TOTAL STATE	239.580	5739.526	TOTAL STATE	360.694	9598.640

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	3598	3725	3682
MSGENCO Hydro	2112	1943	321
MSGENCO Gas	469	469	483
MSGENCO Total Generation	6179	6137	4486
Central Sector Receipt	5516	5296	4640
WIND	14	63	52
CPP / IPP	2891	2754	2792
Exchange with Mumbai	-1197	-1134	-484
MSEDCL DEMAND MET	13450	13138	11534
Load Shedding	518	563	164
MSEDCL DEMAND	13968	13701	11698
TPCL GENERATION	1413	1417	903
R-INFRA GENERATION	519	518	521
TPCL+R-INFRA DEMAND	3129	3069	1908
STATE DEMAND MET	16579	16207	13442
STATE DEMAND	17097	16770	13606
Frequency (Hz)	49.96	49.97	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 13.05 Hrs	49.62 Hz at 17.48 Hrs	50.01	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/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.83	16.79	140	103	114
Unit 6	2.86	81.77	140	96	126
Unit 7	2.91	72.86	130	100	120
Total	8.60	171.42			360
Bhusawal					
Unit 2	3.32	39.90	150	125	140
Unit 3	3.25	78.44	150	125	140
Unit 4	5.60	140.86	260	210	215
Unit 5	0.00	91.34	0	0	
Total	12.16	350.53			495
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.31	91.90	155	123	134
Unit 5	3.45	89.00	155	129	135
Unit 6	3.77	115.13	167	152	156
Unit 7	3.76	112.94	167	150	157
Total	14.29	408.96			582
Chandrapur					
Unit 1	1.99	81.00	120	47	140
Unit 2	1.05	56.32	88	0	0
Unit 3	2.42	75.16	146	71	180
Unit 4	2.98	90.94	155	101	200
Unit 5	0.00	0.00	0	0	0
Unit 6	8.94	222.14	435	255	450
Unit 7	0.00	199.24	0	0	0
Total	17.37	724.80			970
Paras					
Unit 3	4.88	113.95	230	190	210
Unit 4	5.20	109.74	233	195	220
Total	10.08	223.69			430
Khaparkheda					
Unit 1	1.75	93.58	120	0	130
Unit 2	2.22	89.56	135	50	140
Unit 3	2.78	57.77	136	94	150
Unit 4	3.58	115.48	162	142	160
Unit 5	7.47	194.97	420	230	370
Total	17.80	551.36			950
Nasik					
Unit 3	0.00	107.55	0	0	0
Unit 4	3.97	113.20	170	162	190
Unit 5	4.44	106.75	193	171	190
Total	8.41	327.50			380
Uran					
All Units	11.39	309.13	483	467	465
Total	11.39	309.13			465
PENCH (MS)					
Pench (MS)	0.88	22.14	50	0	
Total	0.88	22.14			
Koyna					
Stage 1-2	6.80	79.31	560	40	520
Stage 4	15.90	169.50	1125	0	250
Stage 3	4.33	54.59	240	0	240
Kovna 12&4 Total	22.70	248.81			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	27.02	303.40			1010
Hydro					
KDPH	0.00	6.89	0	0	36
VTRNA	0.00	6.93	0	0	
TILLARI	0.24	8.56	60	0	59
BHTGR/VEER	0.00	0.22	0	0	
BHIRA T.R.	0.22	7.92	41	0	40
RNGR+BHTSA	0.34	10.32	15	14	
BHANDARDRA	0.00	4.46	0	0	
ELDARY	0.18	8.18	8	7	
SMLHY PTN	0.40	14.66	17	16	22
GHATGHAR	0.69	18.04	125	0	
Total	2.07	86.18			157
Wind					
MalharPeth	0.12	7.76			
Vankuswadi	0.20	13.46			
ATIT	0.02	1.82			
Kale	0.08	5.15			
Satara	0.47	54.79			
Shirala	0.09	5.56			
K Mahankal	0.01	1.35			
Supa	0.03	2.48			
Vita	0.24	25.96			
Dondaicha	0.00	33.81			
Sakri	0.00	5.49			
Nandurbar	0.00	3.07			
Khandke	0.03	5.84			
Khaparale	0.06	6.52			
Total	1.38	173.06			
CPP					
JSW JAIGAD	18.55	596.43	880	740	808
WARDHA	5.58	188.74	242	222	235
Adani	38.00	954.03	1740	1340	1851
Other CPPs	5.11	244.23			0
Total	67.24	1983.44			2894
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.72	293.33	503	410	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.95	75.51	128	119	120
Trombay 7B	1.67	44.35	72	68	60
Trombay 8	6.01	155.80	252	248	250
TATA Hydro	6.08	114.38	471	0	447
Total	28.42	683.36			1377
REL					
1&2	12.47	334.75	522	517	500
Total	12.47	334.75			500
Cent Sect					
Share					5215
Total					5215

MS PG CL	Thermal	88.71	2758.26			4167
	Thml+Gas	100.10	3067.39			4632
	Hydro	29.09	391.42			1167
	Total	129.19	3458.80			5799
State Total		239.58	5739.53			15785

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Oct/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	3642	685	483	4810	90	2621	4535	4856	-810	-783	11644	115	11759	2235	13994	50.03
2	3717	533	482	4732	68	2808	4379	4587	-655	-602	11643	154	11797	2040	13837	50.05
3	3682	321	483	4486	52	2792	4280	4640	-555	-484	11534	164	11698	1908	13606	50.01
4	3597	123	482	4202	45	2802	4244	5000	-510	-468	11631	167	11798	1839	13637	50.05
5	3556	192	479	4227	48	2799	4108	4949	-505	-409	11664	188	11852	1824	13676	50.03
6	3672	602	481	4755	40	2823	4317	4751	-530	-401	12018	384	12402	1881	14283	49.93
7	3699	651	480	4830	57	2888	4369	4578	-573	-507	11893	800	12693	1968	14661	49.97
8	3700	668	478	4846	44	2906	4425	5006	-629	-643	12206	811	13017	2104	15121	49.99
9	3630	1154	477	5261	20	2824	4553	5008	-739	-765	12398	752	13150	2423	15573	50.01
10	3626	1864	473	5963	16	2783	4809	5298	-861	-969	13139	475	13614	2802	16416	50.01
11	3607	2074	470	6151	17	2875	5171	5549	-1058	-1170	13470	385	13855	3072	16927	50.04
12	3598	2112	469	6179	14	2891	5184	5516	-1129	-1197	13450	518	13968	3129	17097	49.96
13	3668	1780	468	5916	19	2874	5383	5627	-1120	-1198	13260	641	13901	3127	17028	50.06
14	3677	1513	467	5657	45	2813	5345	5669	-1051	-1187	12997	559	13556	3053	16609	50.09
15	3748	1660	467	5875	61	2826	5148	5672	-1096	-1180	13254	433	13687	3092	16779	49.95
16	3729	1953	468	6150	73	2769	4942	5609	-1094	-1188	13413	437	13850	3104	16954	49.90
17	3725	1943	469	6137	63	2754	4887	5296	-1072	-1134	13138	563	13701	3069	16770	49.97
18	3806	1675	470	5951	56	2623	4815	4428	-989	-1093	12015	723	12738	3004	15742	49.94
19	3797	1661	472	5930	78	2660	4893	5017	-1023	-1088	12647	556	13203	3007	16210	49.92
20	3838	1540	474	5852	78	2762	5050	4901	-1050	-1110	12506	597	13103	2953	16056	50.06
21	3815	1467	478	5760	96	2826	4909	4664	-907	-965	12404	364	12768	2816	15584	50.16
22	3770	1130	473	5373	115	2837	4888	4706	-851	-896	12165	210	12375	2680	15055	50.09
23	3745	1001	473	5219	96	2838	4748	4871	-873	-927	12137	140	12277	2553	14830	49.98
24	3662	789	477	4928	85	2843	4629	4919	-879	-851	11964	110	12074	2424	14498	49.99
MUs	88.71	29.09	11.39	129.19	1.38	67.24	114.01	121.12	-20.56	-21.22	298.59	10.25	308.84	62.11	370.94	50.01

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/Oct/2013

Position as on 6.30 Hrs of 29/Oct/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
Koyna Unit 5	80	24/10/2013	07.35		Continued.	replacement of injector needle	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Koyna Unit 11	80	22/10/2013	00.02		Continued.	Trash Track Work	04/11/2013
CPP INDIABULLS	270	22/10/2013	13.32		Continued.	Boiler Problem.	
Chandrapur Unit 2	210	23/10/2013	11.04	28/10/2013	09.38	Boiler Tube Leakage	
Nasik Unit 3	210	26/10/2013	22.45		Continued.	UAT Buchholz operated	
Chandrapur Unit 7	500	27/10/2013	09.01		Continued.	Boiler Tube Leakage.	
Khaparkheda Unit 1	210	28/10/2013	20.37		Continued.	Coal Mill Problem.	

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

Position as on 6.30 Hrs of 29/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765 KV Wardha - Seoni - I	21/10/2013	17.57		Continued.	Over Voltage.
Kolhapur - Mapusa - II	26/10/2013	17.35		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
Karad - Solapur (PGCIL)	28/10/2013	16.55	28/10/2013	18.34	Over Voltage.
Dhule-Sar'Sarovar - I	29/10/2013	00.22		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR,B-pole stuck up existing BHEL BKR,to be repl by CGL make due to foundation mismatch.
TBC @ Kharghar	23/10/2013	10.30		Continued.	Isolator work
80 MVAR Bus Reactor-I @ Babaleshwar	28/10/2013	09.00	28/10/2013	17.35	Q.M.Work
440/220 KV 500 MVA ICT-II Main Bay @ Deepnagar	28/10/2013	09.03	28/10/2013	16.26	Tan delta of 3CTs & collection oil sampling.
400/11KV 80 MVA STN.T/F 4B at Deepnagar	28/10/2013	09.04	28/10/2013	13.42	Tan delta of CT & collection oil sample for DGA.
600 MVA 21/400 KV GT VII at Chandrapur	28/10/2013	15.30	28/10/2013	18.00	Hot spot attending work on isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalishaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalishaon line.
Butibori MIDC - Vipl ckt - III (Gis Bay)	21/10/2013	15:07		Continued.	To Attend Oil Leakage from B Ph Bushing.
Butibori MIDC - Vipl ckt - IV (Gis Bay)	21/10/2013	15:07		Continued.	To Attend Oil Leakage from B Ph Bushing.
Main Bus @ Lote	28/10/2013	08.30	28/10/2013	17.32	Miant.work.
Pedambe - Oni	28/10/2013	09.10	28/10/2013	16.55	Repl.of R-Ph LA and Q.M.Work
Mudshingi-Wathar	28/10/2013	09.40	28/10/2013	16.00	Q.M.Work.
KDPH-Wankuswadi	28/10/2013	09.55	28/10/2013	18.25	Repl.of old insulator.
220/132 KV,200 MVA ICT-II at Chikhli	28/10/2013	11.30	28/10/2013	18.18	Q.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-I @ Jejuri	28/10/2013	23.11	29/10/2013	01.59	Attending hot spot on B-Ph stud.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage
Bhusawal- Aurangabad	25/10/2013	7.54	28/10/2013	10.35	over voltage
Karad - Newkoyna - I	26/10/2013	21.52	28/10/2013	11.01	over voltage

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

Position as on 6.30 Hrs of 29/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	28/10/2013	17.10		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Chandrapur - Parli - III	27/10/2013	13.01		Continued.	Control Line Loading
Karad - Kolhapur - II	28/10/2013	03.05	28/10/2013	09.21	Over Voltage.
Karad - Kolhapur - II	28/10/2013	16.55		Continued.	Over Voltage.
Karad-Jaigad I	28/10/2013	16.55		Continued.	Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Karad-Mudsingi-IV	28/10/2013	07.04	28/10/2013	07.18	Distance Protection.
Karad - Vita	28/10/2013	14.03	28/10/2013	18.31	B-Ph E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	125
Unit 7	210	135
	620	390
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	258
Unit 5	500	
	1420	538
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	160
Unit 6	250	155
Unit 7	250	170
	1130	625
Chandrapur		
Unit 1	210	100
Unit 2	210	80
Unit 3	210	100
Unit 4	210	120
Unit 5	500	0
Unit 6	500	400
Unit 7	500	0
	2340	800
Paras		
Unit 3	250	200
Unit 4	250	230
	500	430
Khaparkheda		
Unit 1	210	0
Unit 2	210	87
Unit 3	210	132
Unit 4	210	142
Unit 5	500	281
	1340	642
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	465
	852	465
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	
VTRNA	60	

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	22
GHATGHAR	250	
	611	122
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	797
WARDHA	405	235
Adani	1320	1851
Other CPPs	300	0
	3225	2883
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5815
	3455	5815