



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Jan/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.898	3250.378	1) Gujrat	0.878	146.594
2) Hydro	13.099	499.253	2) Madhya Pradesh	22.747	557.072
3) Gas	7.627	183.452	3) Chattisgarh	9.030	256.850
Total MSGENCO	138.624	3933.083	4) Maharashtra Net	85.287	2238.867
B) 1) JSW JAIGAD	17.746	541.412	(Incl. 765kV Solapur-Raichur)	-1.072	-5.485
2) WPCL	5.065	122.698	5) Goa	-5.920	-156.850
3) ADANI	39.580	979.630	6) TAPS 1&2 Injection	3.810	208.532
4) Other CPP / IPP	14.049	346.992	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.557	117.288	8) Pench (Excess)	-0.483	-3.674
6) PENCH (MS)	0.483	8.422			
7) SOLAR	1.171	23.488	# Total Cent. Sector	115.349	3247.391
C) 1) TPCL Thermal	16.453	434.830	F) Other Exchanges		
2) TPCL Hydro	4.937	115.906	1) With TPCL (Excess)	-22.378	-525.712
TOTAL TPCL	21.390	550.736	G) Bilateral Power *		
3) REL Thermal	6.260	198.607	1) MSEDCL Bilateral	16.750	478.612
D) STATE			Include PX	0.000	-18.787
1) Thermal (A1+C1+C3)	140.611	3883.815	2) MUMBAI Bilateral	21.462	437.580
2) Hydro (A2+B6+C2)	18.519	623.581	Include PX	12.596	173.562
3) Gas (A3)	7.627	183.452	3) MUMBAI Schedule	21.462	465.088
4) Wind (B5)	5.557	117.288	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	76.440	1050.682	1) MSEDCL	315.246	8794.692
6) SOLAR (B7)	1.171	23.488	2) TPCL	32.637	842.214
TOTAL STATE	249.925	5882.306	3) REL	17.387	432.811
			TOTAL STATE	365.270	10069.717

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5173	4858	4591
MSGENCO Hydro	1210	1241	148
MSGENCO Gas	319	308	327
MSGENCO Total Generation	6702	6407	5066
Central Sector Receipt	5316	5149	3843
WIND	242	65	387
CPP / IPP	3554	3354	2702
SOLAR	131	59	0
Exchange with Mumbai	-1166	-1039	-468
MSEDCL DEMAND MET	14826	14020	11555
Load Shedding	534	454	17
MSEDCL DEMAND	15360	14474	11572
TPCL GENERATION	1156	1163	680
R-INFRA GENERATION	260	261	260
TPCL+R-INFRA DEMAND	2582	2463	1408
STATE DEMAND MET	17408	16483	12963
STATE DEMAND	17942	16937	12980
Frequency (Hz)	50.04	49.91	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 17.57 Hrs	49.64 Hz at 07.17 Hrs	50	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/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.47	50.83	160	127	160
Unit 6	0.00	72.31	0	0	0
Unit 7	3.43	88.00	170	130	170
Total	6.90	211.13			330
Bhusawal					
Unit 2	3.34	77.56	150	130	140
Unit 3	3.81	90.20	165	155	150
Unit 4	9.12	240.68	420	345	452
Unit 5	6.88	182.97	305	265	301
Total	23.15	591.41			1043
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	2.47	100.96	155	0	141
Unit 5	4.00	75.55	180	155	161
Unit 6	0.92	120.47	187	0	0
Unit 7	5.07	127.55	241	182	180
Total	12.47	424.53			482
Chandrapur					
Unit 1	3.13	80.05	136	122	140
Unit 2	0.00	45.34	0	0	0
Unit 3	3.65	112.28	173	100	150
Unit 4	4.72	130.12	202	181	200
Unit 5	0.00	0.00	0	0	0
Unit 6	9.40	240.54	410	360	400
Unit 7	6.58	227.76	331	225	250
Total	27.49	836.09			1140
Paras					
Unit 3	4.03	131.33	231	0	250
Unit 4	5.14	142.66	231	193	250
Total	9.17	274.00			500
Khaparkheda					
Unit 1	4.28	96.68	190	140	173
Unit 2	3.92	50.30	180	125	159
Unit 3	4.44	112.11	198	171	170
Unit 4	4.49	114.50	205	169	172
Unit 5	10.17	207.15	471	331	370
Total	27.28	580.75			1044
Nasik					
Unit 3	3.06	107.20	180	0	190
Unit 4	4.22	118.70	186	169	190
Unit 5	4.16	106.58	183	161	190
Total	11.44	332.48			570
Uran					
All Units	7.63	183.45	327	299	330
Total	7.63	183.45			330
PENCH (MS)					
Pench (MS)	0.48	8.42	50	0	
Total	0.48	8.42			
Koyna					
Stage 1-2	2.72	114.48	480	40	600
Stage 4	3.71	196.75	514	0	250
Stage 3	1.38	65.46	240	0	320
Kovna 12&4 Total	6.44	311.23			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.81	376.69			1170
Hydro					
KDPH	0.45	11.58	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.42	6.31	62	0	61
BHTGR/VEER	0.06	1.92	3	2	5
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.35	9.03	15	14	10
BHANDARDRA	0.56	2.82	24	23	5
ELDARY	0.36	5.24	15	14	15
SMLHY PTN	0.77	27.83	40	29	7
GHATGHAR	2.32	55.30	250	0	0
Total	5.28	122.56			122
Wind					
MalharPeth	0.20	4.05			
Vankuswadi	0.38	7.90			
ATIT	0.04	1.51			
Kale	0.20	2.64			
Satara	2.08	31.80			
Shirala	0.20	2.68			
K Mahankal	0.00	0.91			
Supa	0.10	2.53			
Vita	0.88	13.93			
Dondaicha	0.96	30.64			
Sakri	0.12	3.97			
Nandurbar	0.08	2.47			
Khandke	0.17	7.35			
Khaparale	0.14	4.90			
Total	5.56	117.29			
CPP					
JSW JAIGAD	17.75	541.41	912	684	830
WARDHA	5.06	122.70	214	204	230
Adani	39.58	979.63	1820	1240	1851
Other CPPs	14.05	346.99			245
Total	76.44	1990.73			3156
SOLAR					
Total	1.17	23.49			
Total	1.17	23.49			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.87	285.43	501	471	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.92	61.94	129	114	120
Trombay 7B	1.66	38.90	71	66	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	4.94	115.91	471	0	447
Total	21.39	550.74			1127
REL					
1&2	6.26	198.61	326	209	250
Total	6.26	198.61			250
Cent Sect					
Share					5503
Total					5503
MS PG CL	Thermal	117.90	3250.38		5109
	Thml+Gas	125.52	3433.83		5439
	Hydro	13.10	499.25		1292
	Total	138.62	3933.08		6731
State Total		249.92	5882.31		16767

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Jan/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4561	143	327	5031	461	2579	0	4019	4414	-678	-580	11905	7	11912	1609	13521	50.03
2	4538	142	326	5006	441	2565	0	3939	4078	-598	-530	11562	17	11579	1471	13050	50.05
3	4591	148	327	5066	387	2702	0	3869	3818	-529	-468	11530	17	11547	1408	12955	50.06
4	4695	143	326	5164	367	2665	0	3884	3867	-502	-437	11646	17	11663	1378	13041	50.10
5	4767	153	324	5244	364	2743	0	4038	3956	-514	-449	11888	17	11905	1383	13288	49.98
6	4758	148	325	5231	342	2769	0	4395	4388	-616	-562	12201	94	12295	1499	13794	49.95
7	4933	175	321	5429	317	3167	0	4851	4546	-751	-703	12795	519	13314	1708	15022	49.84
8	5054	355	319	5728	293	3411	11	4998	4586	-835	-830	13249	909	14158	1868	16026	49.86
9	5149	774	323	6246	238	3403	53	5032	4907	-826	-824	14070	865	14935	2115	17050	49.96
10	5149	1182	322	6653	289	3547	110	5191	5233	-1022	-979	14900	550	15450	2386	17836	49.97
11	5173	1210	319	6702	242	3554	131	5272	5269	-1187	-1166	14779	534	15313	2582	17895	50.04
12	5194	1149	315	6658	135	3528	178	5327	5355	-1237	-1179	14685	625	15310	2601	17911	50.02
13	5028	1050	313	6391	111	3353	182	5401	5453	-1201	-1151	14339	797	15136	2558	17694	49.96
14	4899	880	311	6090	66	3364	156	5364	5501	-1075	-1062	14115	710	14825	2455	17280	50.05
15	4880	1290	309	6479	54	3342	137	5366	5746	-1090	-1065	14693	615	15308	2462	17770	49.97
16	4890	1427	299	6616	64	3343	127	5254	5625	-1063	-1050	14725	514	15239	2458	17697	49.93
17	4858	1241	308	6407	65	3354	59	5204	5124	-1042	-1039	13995	454	14449	2463	16912	49.91
18	4960	381	302	5643	127	3451	26	5052	4768	-1001	-1156	12879	402	13281	2438	15719	50.08
19	5066	220	302	5588	193	3482	1	5379	4815	-1055	-1341	12764	159	12923	2430	15353	49.92
20	5058	220	317	5595	177	3481	0	5474	5331	-1114	-1340	13271	177	13448	2450	15898	49.98
21	5112	220	318	5650	201	3356	0	4989	4944	-907	-1317	12859	109	12968	2361	15329	50.03
22	4969	143	324	5436	199	3359	0	4462	4665	-826	-1217	12452	55	12507	2175	14682	50.11
23	4864	155	325	5344	213	3141	0	4384	4455	-854	-1096	12057	5	12062	1988	14050	50.09
24	4749	150	325	5224	211	2781	0	4586	4505	-939	-837	11884	5	11889	1782	13671	50.13
MUs	117.90	13.10	7.63	138.62	5.56	76.44	1.17	115.73	115.35	-21.46	-22.38	315.24	8.17	323.42	50.03	373.44	50.00

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/2014

Position as on 6.30 Hrs of 29/Jan/2014

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.	Condenser replacement work.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	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 VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
Uran Unit 6	108	14/01/2014	12.45		Continued.	Gas Shortage.	
CPP WPCL U-4	135	24/01/2014	06.24		Continued.	ID Fan Vibration high.	
Koradi Unit 6	210	24/01/2014	06.51		Continued.	Coal bunkering	
Parli Unit 6	250	26/01/2014	20.40	28/01/2014	16.48	HP by pass Valve Heavy steam leakage	
CPP INDIABULLS	270	27/01/2014	17:43	28/01/2014	02.08	Tripped on AVR indication	
Cent_Sect Tarapur 1	160	27/01/2014	19.41		Continued.	Mantatory sequence changeover of control Rod	
Paras Unit 3	250	27/01/2014	22.50	28/01/2014	02.33	Furnace pressure high	
REL 1	250	28/01/2014	00.33		Continued.	Boiler Tube Leakage	
Nasik Unit 3	210	28/01/2014	12.25	28/01/2014	17.30	Stn T/F Tripped.	
Parli Unit 4	210	28/01/2014	18.36		Continued.	Air Preheater Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2014

Position as on 6.30 Hrs of 29/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	28/01/2014	10.30	28/01/2014	21.26	Stringing Work @ Loc 7&8 by BDTC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	27/01/2014	16.39	28/01/2014	08.05	Over Voltage
Dhule-Sar'Sarovar - I	27/01/2014	22.20		Continued.	Over Voltage
Kolhapur - Mapusa - II	28/01/2014	16.59		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	28/01/2014	22.20	29/01/2014	06.25	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Nagothane- II	28/01/2014	09.45	28/01/2014	18.53	Replacement of E/W Bet.Loc.283,284,298,299.
Main Bus-II at Akola	28/01/2014	16.03	28/01/2014	21.34	Scada Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Kandalgaon-Bhira	22/01/2014	11.20	28/01/2014	12.20	Outage At Bhira End & R.M Work.
Apta - Taloja	23/01/2014	09.06		Continued.	Erection of new tower.
Pedambe - Mahad	28/01/2014	09.00	28/01/2014	17.30	Attend Hot Spot @ PG Clamp.
Vankuswade-Malharpath	28/01/2014	09.19	28/01/2014	18.35	R M Work.
Main Bus - I @ Vansudwadi	28/01/2014	09.50	28/01/2014	18.15	Replacement of B Ph Jaws of Main Bus Iso.of M'peth Bay & Other Allied Works.
Bus Coupler @ Uran	28/01/2014	10.30	28/01/2014	16.25	Attend B Ph CT Leakage.
Karad- Nigde	28/01/2014	11.12	28/01/2014	18.00	Attend Hot Spot.
Nigade - Peth	28/01/2014	11.17	28/01/2014	18.50	Attend Hot Spot.
Gadchiroli - Virur	28/01/2014	12.52	28/01/2014	17.20	Tan Delta & Capacitance Measurement of CT & CC & Breaker Timing.
Parly - Harangool - I	28/01/2014	17.57	28/01/2014	20.46	Q.M.Work & Relay Testing.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Dabhol - New Koyna - I	22/01/2014	00.02		Continued.	Over Voltage.
Karad-Kolhapur-II	27/01/2014	16.08	28/01/2014	07.44	Over Voltage
Karad-Jaigad I	27/01/2014	16.50	28/01/2014	07.38	Over Voltage
Bhusawal- Aurangabad	27/01/2014	17.40	28/01/2014	08.44	Over Voltage
Lonikand- Koyna Stage IV	27/01/2014	21.44	28/01/2014	07.35	over Voltage
Karad - Kolhapur - II	28/01/2014	16.16		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/01/2014	21.38	29/01/2014	06.22	Over Voltage.
Karad-Jaigad I	28/01/2014	21.44		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	28/01/2014	21.50		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2014

Position as on 6.30 Hrs of 29/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Babaleshwar - Ranjangaon	28/01/2014	08.50		Continued.	To Control Loading on Bblsr ICT.
Urse-Sahara	28/01/2014	10.04	28/01/2014	21.02	To Control L/L of Ambi Line.
Hingoli-Parbhani	28/01/2014	11.48	28/01/2014	15.43	To Control Pusad Yeotmal L/L.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	27/01/2014	01.50		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Kandalgaon-Bhira	28/01/2014	12.40		Continued.	Gen.CB R Ph. Burst @ Bhira While Taking Trial.
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad-Jambazar	28/01/2014	07.04	28/01/2014	07.22	Load Trimming Operated Due to 220KV Yeotmal Feeder.
Pusad - Digras	28/01/2014	07.04	28/01/2014	07.23	Load Trimming Operated Due to 220KV Yeotmal Feeder.
Pusad - Umarkhed	28/01/2014	07.04	28/01/2014	12.18	Load Trimming Operated Due to 220KV Yeotmal Feeder.
Pusad - Gunj	28/01/2014	07.04	28/01/2014	07.22	Load Trimming Operated Due to 220KV Yeotmal Feeder.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	0
Unit 7	210	165
	620	315
Bhusawal		
Unit 2	210	140
Unit 3	210	160
Unit 4	500	430
Unit 5	500	301
	1420	1031
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	185
Unit 7	250	190
	1130	530
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	170
Unit 4	210	200
Unit 5	500	0
Unit 6	500	370
Unit 7	500	300
	2340	1180
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	173
Unit 4	210	182
Unit 5	500	470
	1340	1149
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	2
BHIRA T.R.	80	0
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	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	750
WARDHA	405	230
Adani	1980	1851
Other CPPs	300	245
	3885	3076
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5953
	3455	5953