



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jan/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.969	3132.480	1) Gujrat	1.477	145.716
2) Hydro	9.142	486.154	2) Madhya Pradesh	18.279	534.325
3) Gas	7.573	175.825	3) Chattisgarh	7.740	247.820
Total MSGENCO	131.684	3794.459	4) Maharashtra Net	77.744	2153.580
B) 1) JSW JAIGAD	17.784	523.666	(Incl. 765kV Solapur-Raichur)	0.453	-4.413
2) WPCL	5.062	117.633	5) Goa	-5.080	-150.930
3) ADANI	37.120	940.050	6) TAPS 1&2 Injection	6.905	204.722
4) Other CPP / IPP	12.779	332.943	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.675	111.731	8) Pench (Excess)	-0.169	-3.191
6) PENCH (MS)	0.169	7.939			
7) SOLAR	1.045	22.317	# Total Cent. Sector	106.896	3132.042
C) 1) TPCL Thermal	15.035	418.377	F) Other Exchanges		
2) TPCL Hydro	5.600	110.969	1) With TPCL (Excess)	-18.076	-503.334
TOTAL TPCL	20.635	529.346	G) Bilateral Power *		
3) REL Thermal	11.311	192.347	1) MSEDCL Bilateral	16.464	461.862
D) STATE			Include PX	0.000	-18.787
1) Thermal (A1+C1+C3)	141.315	3743.204	2) MUMBAI Bilateral	16.313	416.119
2) Hydro (A2+B6+C2)	14.911	605.062	Include PX	8.111	160.966
3) Gas (A3)	7.573	175.825	3) MUMBAI Schedule	16.313	443.626
4) Wind (B5)	10.675	111.731	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	72.745	1011.362	1) MSEDCL	305.138	8479.446
6) SOLAR (B7)	1.045	22.317	2) TPCL	32.371	809.577
TOTAL STATE	248.264	5669.501	3) REL	17.651	415.424
			TOTAL STATE	355.160	9704.447

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	4885	5028	4435
MSGENCO Hydro	1118	445	129
MSGENCO Gas	317	300	323
MSGENCO Total Generation	6320	5773	4887
Central Sector Receipt	5618	4802	2644
WIND	637	413	405
CPP / IPP	3178	3431	2718
SOLAR	137	60	0
Exchange with Mumbai	-982	-850	-453
MSEDCL DEMAND MET	14910	13629	10201
Load Shedding	807	461	12
MSEDCL DEMAND	15717	14090	10213
TPCL GENERATION	1126	1136	493
R-INFRA GENERATION	447	517	392
TPCL+R-INFRA DEMAND	2555	2503	1338
STATE DEMAND MET	17465	16132	11539
STATE DEMAND	18272	16593	11551
Frequency (Hz)	49.97	49.95	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 01.55 Hrs	49.62 Hz at 06.39 Hrs	50.02	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 27/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.42	47.36	160	115	130
Unit 6	0.00	72.31	0	0	0
Unit 7	3.76	84.57	171	145	150
Total	7.18	204.23			280
Bhusawal					
Unit 2	3.22	74.22	150	90	140
Unit 3	3.74	86.38	170	135	150
Unit 4	9.30	231.56	425	345	452
Unit 5	6.63	176.09	310	225	301
Total	22.89	568.26			1043
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.98	98.50	189	137	140
Unit 5	3.99	71.54	183	155	160
Unit 6	0.00	119.54	0	0	0
Unit 7	5.00	122.48	238	185	190
Total	12.97	412.06			490
Chandrapur					
Unit 1	3.16	76.93	137	125	140
Unit 2	0.00	45.34	0	0	0
Unit 3	3.16	108.63	168	106	150
Unit 4	4.60	125.40	205	174	210
Unit 5	0.00	0.00	0	0	0
Unit 6	6.38	231.14	295	250	400
Unit 7	6.26	221.18	310	193	400
Total	23.58	808.60			1300
Paras					
Unit 3	5.13	127.30	255	0	250
Unit 4	5.61	137.52	260	185	250
Total	10.73	264.82			500
Khaparkheda					
Unit 1	4.21	92.40	190	155	175
Unit 2	3.94	46.39	180	145	160
Unit 3	4.40	107.67	195	170	176
Unit 4	4.54	110.01	207	171	201
Unit 5	10.11	196.98	470	368	373
Total	27.21	553.46			1085
Nasik					
Unit 3	2.12	104.13	180	0	0
Unit 4	4.27	114.48	188	170	190
Unit 5	4.03	102.43	181	156	190
Total	10.41	321.03			380
Uran					
All Units	7.57	175.82	324	298	330
Total	7.57	175.82			330
PENCH (MS)					
Pench (MS)	0.17	7.94	50	0	
Total	0.17	7.94			
Koyna					
Stage 1-2	2.70	111.76	365	40	600
Stage 4	1.56	193.04	606	0	250
Stage 3	0.60	64.08	160	0	320
Kovna 12&4 Total	4.26	304.79			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.86	368.87			1170
Hydro					
KDPH	0.45	11.13	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	5.89	61	0	61
BHTGR/VEER	0.06	1.85	3	2	3
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.36	8.68	15	14	14
BHANDARDRA	0.24	2.26	38	0	0
ELDARY	0.36	4.88	15	14	15
SMLHY PTN	1.01	27.06	50	39	10
GHATGHAR	1.41	52.98	250	0	0
Total	4.28	117.28			122
Wind					
MalharPeth	0.37	3.85			
Vankuswadi	0.87	7.52			
ATIT	0.10	1.47			
Kale	0.35	2.45			
Satara	4.10	29.72			
Shirala	0.41	2.47			
K Mahankal	0.00	0.91			
Supa	0.11	2.43			
Vita	1.60	13.05			
Dondaicha	1.52	29.68			
Sakri	0.22	3.86			
Nandurbar	0.09	2.39			
Khandke	0.40	7.18			
Khaparale	0.53	4.76			
Total	10.68	111.73			
CPP					
JSW JAIGAD	17.78	523.67	781	682	693
WARDHA	5.06	117.63	213	208	210
Adani	37.12	940.05	1830	1180	1851
Other CPPs	12.78	332.94			245
Total	72.74	1914.29			2999
SOLAR					
Total	1.04	22.32			
Total	1.04	22.32			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.54	273.56	505	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.85	59.02	128	111	120
Trombay 7B	1.64	37.24	71	65	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	5.60	110.97	471	0	447
Total	20.64	529.35			1127
REL					
1&2	11.31	192.35	521	391	500
Total	11.31	192.35			500
Cent Sect					
Share					5631
Total					5631
MS PG CL	Thermal	114.97	3132.48		5078
	Thml+Gas	122.54	3308.30		5408
	Hydro	9.14	486.15		1292
	Total	131.68	3794.46		6700
State Total		248.26	5669.50		16957

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4451	139	323	4913	392	2714	0	3670	3526	-558	-648	10897	6	10903	1533	12436	50.10
2	4457	134	323	4914	379	2703	0	3604	3328	-491	-517	10807	12	10819	1403	12222	50.19
3	4435	129	323	4887	405	2718	0	3192	2644	-479	-453	10201	12	10213	1338	11551	50.10
4	4444	140	323	4907	395	2702	0	3010	3003	-433	-420	10587	12	10599	1304	11903	50.07
5	4478	140	323	4941	357	2718	0	3021	3550	-456	-448	11128	12	11140	1333	12473	50.06
6	4441	210	324	4975	344	2756	0	3616	4220	-475	-566	11755	73	11828	1450	13278	50.00
7	4677	300	324	5301	377	3179	0	3861	4046	-541	-694	12236	384	12620	1649	14269	49.85
8	4693	273	324	5290	323	3375	9	4251	4381	-518	-590	12838	645	13483	1826	15309	49.91
9	4812	578	320	5710	334	3412	35	4692	4774	-633	-567	13725	894	14619	2083	16702	49.90
10	4876	1211	316	6403	404	3402	78	4969	5262	-743	-755	14821	750	15571	2371	17942	49.97
11	4885	1118	317	6320	637	3178	137	5329	5618	-909	-982	14910	807	15717	2555	18272	49.97
12	4954	1159	312	6425	725	2792	138	5365	5573	-968	-934	14719	908	15627	2617	18244	50.02
13	4997	499	310	5806	618	2785	164	5342	5672	-941	-936	14109	1038	15147	2607	17754	50.04
14	5073	346	310	5729	567	2872	153	5193	4937	-812	-820	13438	911	14349	2501	16850	50.11
15	5061	372	304	5737	513	3125	144	5119	5362	-817	-848	14033	686	14719	2514	17233	49.98
16	5037	578	298	5913	440	3390	106	5018	5244	-791	-822	14271	600	14871	2501	17372	49.97
17	5028	445	300	5773	413	3431	60	5013	4802	-781	-850	13629	461	14090	2503	16593	49.95
18	4996	184	305	5485	360	3328	21	4712	4350	-734	-865	12679	196	12875	2481	15356	50.05
19	5064	235	308	5607	348	3177	0	5151	4693	-784	-949	12876	116	12992	2517	15509	49.91
20	5037	249	310	5596	384	3172	0	5174	5004	-852	-1035	13121	129	13250	2581	15831	50.02
21	4935	239	310	5484	481	3180	0	4729	4495	-709	-991	12649	77	12726	2366	15092	50.01
22	4905	174	320	5399	508	3178	0	4339	3795	-571	-923	11957	32	11989	2178	14167	50.13
23	4682	142	322	5146	495	2896	0	4274	4060	-642	-834	11763	0	11763	2002	13765	50.06
24	4551	148	324	5023	476	2562	0	4308	4557	-675	-629	11989	2	11991	1809	13800	50.10
MUs	114.97	9.14	7.57	131.68	10.68	72.74	1.04	106.95	106.90	-16.31	-18.08	305.14	8.76	313.90	50.02	363.92	50.02

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 27/Jan/2014

Position as on 6.30 Hrs of 28/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	
Nasik Unit 3	210	25/01/2014	09.28	27/01/2014	09.02	Boiler Tube Leakage	
Parli Unit 6	250	26/01/2014	20.40		Continued.	HP by pass Valve Heavy steam leakage	
CPP Adani U1	660	27/01/2014	10.34	27/01/2014	13.23	Air free heaters trip	
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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jan/2014

Position as on 6.30 Hrs of 28/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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	25/01/2014	17.04	27/01/2014	08.45	over voltage
Dhule-Sar'Sarovar - II	25/01/2014	22.31	27/01/2014	07.51	over voltage
Kolhapur-Solapur(PGCIL)-I	27/01/2014	01.29	27/01/2014	10.06	Over Voltage
Kolhapur - Mapusa - I	27/01/2014	16.39		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	27/01/2014	22.20		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	26/01/2014	17.05	27/01/2014	07.42	Over Voltage
Akola - Aurangabad- II	27/01/2014	16.57	27/01/2014	17.36	Tripped while taking Bus Bar prot.out at Akola
IntraState					
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 STRENGTHENING WORK
Kandalgaon-Bhira	22/01/2014	11.20		Continued.	Outage At Bhira End & R.M Work.
Apta - Taloja	23/01/2014	09.06		Continued.	Erection of new tower.
Mudshingi - Chikodi	27/01/2014	09.02	27/01/2014	18.55	O/H of CB
Kharepatan-Pawas	27/01/2014	10.04	27/01/2014	14.58	R.M.Work
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.
Bhusawal- Aurangabad	23/01/2014	17.34	27/01/2014	10.27	Over Voltage.
Karad - Kolhapur - II	25/01/2014	16.52	27/01/2014	07.54	over voltage
Karad-Jaigad I	25/01/2014	20.30	27/01/2014	07.48	over voltage
Lonikand- Koyna Stage IV	26/01/2014	17.28	27/01/2014	08.02	Over Voltage
Karad-Kolhapur-II	27/01/2014	16.08		Continued.	Over Voltage
Parli - Lamboti	27/01/2014	16.36	27/01/2014	17.56	To take Reactor in service at parli end
Karad-Jaigad I	27/01/2014	16.50		Continued.	Over Voltage
Bhusawal- Aurangabad	27/01/2014	17.40		Continued.	Over Voltage
Lonikand- Koyna Stage IV	27/01/2014	21.44		Continued.	over Voltage
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
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 - II	31/12/2013	02.29	27/01/2014	07.13	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jan/2014

Position as on 6.30 Hrs of 28/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol - Nagothane - I	27/01/2014	01.50		Continued.	Over Voltage
Chandrapur II - Dhariwal - I	27/01/2014	07.51	27/01/2014	08.59	LBB Prot.operated at Dhariwal
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Paranda-Bhoom	27/01/2014	06.34	27/01/2014	07.05	Distance Protection
Dondaicha - Dondaicha	27/01/2014	06.55	27/01/2014	07.05	Tripped at 220KV Dondaicha only

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	0
Unit 7	210	170
	620	330
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	452
Unit 5	500	301
	1420	1043
Parli		
Unit 3	210	0
Unit 4	210	141
Unit 5	210	161
Unit 6	250	0
Unit 7	250	180
	1130	482
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	150
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	250
	2340	1140
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	173
Unit 2	210	159
Unit 3	210	170
Unit 4	210	172
Unit 5	500	370
	1340	1044
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	5
BHIRA T.R.	80	0
RNGR+BHTSA	20	10
BHANDARDRA	45	5
ELDARY	23	15
SMLHY PTN	12	7
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	830
WARDHA	405	230
Adani	1980	1851
Other CPPs	300	245
	3885	3156
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	5503
	3455	5503