



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Oct/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.976	1406.033	1) Gujrat	6.416	97.126
2) Hydro	10.310	175.588	2) Madhya Pradesh	21.015	281.531
3) Gas	10.216	133.974	3) Chattisgarh	11.350	127.320
Total MSGENCO	125.502	1715.595	4) Maharashtra Net	129.135	1528.480
B) 1) JSW JAIGAD	27.166	356.701	(Incl. 765kV Solapur-Raichur)	-0.752	-86.095
2) WPCL	6.347	73.253	5) Goa	-7.692	-94.871
3) ADANI	43.470	517.880	6) TAPS 1&2 Injection	3.617	88.362
4) Other CPP / IPP	13.991	194.736	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.929	57.009	8) Pench (Excess)	-0.603	-11.953
6) PENCH (MS)	0.603	11.953			
7) SOLAR	1.269	13.626	# Total Cent. Sector	163.238	2015.995
C) 1) TPCL Thermal	19.852	257.543	F) Other Exchanges		
2) TPCL Hydro	4.979	48.908	1) With TPCL (Excess)	-27.123	-326.263
TOTAL TPCL	24.831	306.451	G) Bilateral Power *		
3) REL Thermal	12.488	151.200	1) MSEDCL Bilateral	66.847	759.582
D) STATE			Include PX	32.495	313.904
1) Thermal (A1+C1+C3)	137.316	1814.776	2) MUMBAI Bilateral	26.602	309.928
2) Hydro (A2+B6+C2)	15.892	236.449	Include PX	7.247	64.799
3) Gas (A3)	10.216	133.974	3) MUMBAI Schedule	26.917	317.311
4) Wind (B5)	8.929	57.009	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	90.974	1142.570	1) MSEDCL	363.392	4630.485
6) SOLAR (B7)	1.269	13.626	2) TPCL	40.590	492.201
TOTAL STATE	264.596	3398.404	3) REL	23.851	291.731
			TOTAL STATE	427.833	5414.417

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5010	4931	4327
MSGENCO Hydro	1111	583	90
MSGENCO Gas	417	418	437
MSGENCO Total Generation	6538	5932	4854
Central Sector Receipt	7254	7690	6212
WIND	287	326	491
CPP / IPP	3811	3807	3763
SOLAR	176	169	0
Exchange with Mumbai	-1518	-1477	-634
MSEDCL DEMAND MET	16573	16484	14686
Load Shedding	738	638	55
MSEDCL DEMAND	17311	17122	14741
TPCL GENERATION	1219	1175	815
R-INFRA GENERATION	520	518	520
TPCL+R-INFRA DEMAND	3257	3170	1969
STATE DEMAND MET	19830	19654	16655
STATE DEMAND	20568	20292	16710
Frequency (Hz)	49.91	49.92	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 21.52 Hrs	49.61 Hz at 17.13 Hrs	49.93	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 13/Oct/2014

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	3.36	32.93	153	134	135
Unit 7	3.16	41.11	155	105	125
Total	6.52	74.04			260
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.10	27.70	140	120	140
Unit 4	0.00	46.91	0	0	0
Unit 5	8.93	106.47	490	335	350
Total	12.04	181.08			490
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	1.41	37.63	140	0	130
Unit 5	0.00	21.60	0	0	0
Unit 6	4.03	58.92	178	164	170
Unit 7	3.91	58.66	186	0	170
Total	9.35	176.82			470
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.60	40.67	159	134	155
Unit 3	3.95	47.77	181	143	180
Unit 4	4.39	57.48	199	140	210
Unit 5	8.02	107.32	430	285	300
Unit 6	7.80	101.25	405	272	300
Unit 7	8.14	100.62	420	316	300
Total	35.89	455.10			1445
Paras					
Unit 3	4.36	56.66	210	145	180
Unit 4	4.38	55.23	227	162	180
Total	8.74	111.88			360
Khaparkheda					
Unit 1	3.58	45.68	190	130	170
Unit 2	2.03	36.90	180	0	170
Unit 3	4.36	50.61	213	149	170
Unit 4	4.22	40.64	210	143	170
Unit 5	10.04	114.39	490	360	450
Total	24.22	288.22			1130
Nasik					
Unit 3	4.06	54.06	190	120	172
Unit 4	4.16	24.74	193	160	172
Unit 5	0.00	40.10	0	0	0
Total	8.22	118.90			344
Uran					
All Units	10.22	133.97	437	399	450
Total	10.22	133.97			450
PENCH (MS)					
Pench (MS)	0.60	11.95	40	0	
Total	0.60	11.95			
Koyna					
Stage 1-2	3.02	53.65	420	40	530
Stage 4	3.66	73.74	906	0	250
Stage 3	1.37	27.79	204	0	240
Kovna 12&4 Total	6.67	127.39			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.04	155.18			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.32	3.95	61	0	61
TILLARI	0.00	0.55	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.24	3.92	80	0	80
RNGR+BHTSA	0.34	2.10	15	14	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	15
SMLHY PTN	0.10	1.42	13	1	11
GHATGHAR	1.26	6.28	250	0	0
Total	2.27	20.41			167
Wind					
MalharPeth	0.22	1.50			
Vankuswadi	0.31	2.71			
ATIT	0.06	0.36			
Kale	0.12	1.10			
Satara	4.55	31.29			
Shirala	0.21	1.66			
K Mahankal	0.03	0.17			
Supa	0.20	1.18			
Vita	0.99	6.12			
Dondaicha	0.86	3.97			
Sakri	0.21	0.82			
Nandurbar	0.50	2.00			
Khandke	0.46	2.75			
Khaparale	0.21	1.38			
Total	8.93	57.01			
CPP					
JSW JAIGAD	27.17	356.70	1182	1056	1075
WARDHA	6.35	73.25	271	248	370
Adani	43.47	517.88	1830	1760	1823
Other CPPs	13.99	194.74			441
Total	90.97	1142.57			3709
SOLAR					
Total	1.27	13.63			
Total	1.27	13.63			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.79	152.60	500	439	500
Trombay 6	3.72	48.48	156	154	500
Trombay 7A	2.75	35.72	120	110	120
Trombay 7B	1.59	20.73	68	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.98	48.91	441	0	447
Total	24.83	306.45			1627
REL					
1&2	12.49	151.20	523	518	500
Total	12.49	151.20			500
Cent Sect					
Share					7114
Total					7114
MS PG CL	Thermal	104.98	1406.03		4499
	Thml+Gas	115.19	1540.01		4949
	Hydro	10.31	175.59		1187
	Total	125.50	1715.60		6136
State Total		264.60	3398.40		19086

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Oct/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	4373	60	437	4870	466	3662	0	6597	6558	-960	-1044	14539	88	14627	2395	17022	49.91
2	4319	55	437	4811	440	3683	0	6471	6346	-834	-831	14476	55	14531	2185	16716	49.99
3	4349	125	437	4911	462	3703	0	6387	6555	-743	-721	14913	55	14968	2049	17017	49.99
4	4327	90	437	4854	491	3763	0	6259	6212	-689	-634	14686	55	14741	1969	16710	50.00
5	4323	60	431	4814	454	3745	0	6228	6380	-653	-567	14826	55	14881	1921	16802	49.97
6	4366	286	430	5082	407	3742	0	6334	6275	-638	-559	14952	108	15060	1978	17038	49.83
7	4369	695	433	5497	382	3730	4	6607	6224	-672	-617	15253	286	15539	2078	17617	49.83
8	4513	469	433	5415	292	3773	38	6260	6059	-765	-765	14845	308	15153	2205	17358	50.01
9	4507	421	435	5363	179	3792	92	6169	5807	-1031	-996	14261	201	14462	2486	16948	49.91
10	4543	843	430	5816	198	3789	139	6790	6742	-1135	-1127	15581	92	15673	2858	18531	49.94
11	4473	749	427	5649	251	3875	162	7276	7221	-1345	-1342	15841	77	15918	3136	19054	49.84
12	4580	1532	417	6529	320	3809	177	7387	7166	-1487	-1487	16538	450	16988	3243	20231	49.96
13	5010	1111	417	6538	287	3811	176	7472	7254	-1502	-1518	16573	738	17311	3257	20568	49.91
14	4931	583	418	5932	326	3807	169	7643	7690	-1409	-1477	16484	638	17122	3170	20292	49.92
15	4752	486	418	5656	311	3871	135	7646	7817	-1460	-1477	16353	467	16820	3241	20061	49.89
16	4426	439	418	5283	352	3852	111	7725	7790	-1510	-1554	15871	346	16217	3259	19476	49.89
17	4259	93	422	4774	317	3807	54	7445	7700	-1443	-1475	15214	323	15537	3234	18771	49.90
18	4197	194	399	4790	273	3848	12	6740	6879	-1338	-1323	14512	335	14847	3096	17943	49.70
19	4107	599	429	5135	417	3812	0	6616	6809	-1340	-1338	14864	198	15062	3035	18097	49.94
20	4119	818	416	5353	500	3826	0	6782	6877	-1302	-1324	15265	84	15349	2972	18321	49.99
21	4095	172	414	4681	529	3800	0	7195	6903	-1199	-1321	14625	69	14694	2848	17542	50.02
22	4068	176	414	4658	530	3832	0	6567	6714	-1147	-1258	14510	66	14576	2702	17278	50.05
23	4077	127	432	4636	420	3845	0	6577	6661	-1201	-1210	14375	66	14441	2601	17042	50.01
24	3894	127	435	4456	325	3797	0	6606	6601	-1116	-1158	14038	66	14104	2524	16628	50.02
MUs	104.98	10.31	10.22	125.50	8.93	90.97	1.27	163.78	163.24	-26.92	-27.12	363.40	5.23	368.62	64.44	433.06	49.93

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 13/Oct/2014

Position as on 6.30 Hrs of 14/Oct/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
CPP VIPL U-2	300	05/10/2014	00.30		Continued.	CHP coal feeding prob.	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	
CPP Adani U1	660	08/10/2014	18.48		Continued.	Boiler Tube Leakage	
Nasik Unit 5	210	10/10/2014	19.45		Continued.	BTL	
Bhusawal Unit 4	500	11/10/2014	14.21	14/10/2014	00.45	BTL	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
Khaparkheda Unit 2	210	13/10/2014	13.40		Continued.	BLR T/L.	
Parli Unit 7	250	13/10/2014	22.46	14/10/2014	01.47	Flame Failure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Oct/2014

Position as on 6.30 Hrs of 14/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	12/10/2014	16.10	13/10/2014	09.18	over voltage
Kolhapur - Mapusa - II	13/10/2014	16.10		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
Lonikand - Parli - I	13/10/2014	11.01	13/10/2014	17.34	Taken on TBC at Parli to attend hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
BBLSR-Waluj	06/10/2014	17:13		Continued.	To Attend Hot Spot on Y-ph CT.(Ready for Charging.)
220/132 KV 200 MVA ICT-II @ Harangul	13/10/2014	17.56		Continued.	Hot Spot.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
New Koyna - Karad - I	13/10/2014	15.37		Continued.	To attend hot spot,RFC at 18.26Hrs.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
KHARGHAR - TROMBAY	13/10/2014	23.01	13/10/2014	23.08	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	12/10/2014	16.00	13/10/2014	08.44	over voltage
Khadka - Aurangabad	12/10/2014	22.07	13/10/2014	06.38	over voltage
Bhusawal- Aurangabad	13/10/2014	21.32		Continued.	Over Voltage.
Karad - Kolhapur - II	13/10/2014	22.05		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/10/2014	21.12	13/10/2014	02.19	To attend B/Dn on Ckt.I
Hingoli-Pusad	13/10/2014	11.17		Continued.	To control Wardha-Y'mal loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand II-Parli II	13/10/2014	10.50	13/10/2014	11.01	No indication,DT send from Parli end.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Borivali - Salset - I	04/10/2014	17.20		Continued.	Cable Fault At Borivali.
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection
Trombay-Kharghar	12/10/2014	14.43	13/10/2014	00.03	Y-B PH. Fault.
Chikhali - Jalna - I	12/10/2014	15.55	13/10/2014	10.58	Distance protection
132/33KV 50MVA T/F I at 220KV Shahada	13/10/2014	01.05		Continued.	Diff Prot.
132/33KV 50MVA T/F II at 220KV Shahada	13/10/2014	01.05	13/10/2014	01.20	Back up prot.
Bhandara-Kanhan ckt-I	13/10/2014	16.19	13/10/2014	22.11	Dist Prot.
Karad-Kadegaon	14/10/2014	03.58		Continued.	Dist.prot,Declared faulty.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	135
	620	275
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	94
Unit 5	500	310
	1420	529
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	172
Unit 7	250	165
	1130	337
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	150
Unit 4	210	160
Unit 5	500	300
Unit 6	500	280
Unit 7	500	330
	2340	1360
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
	1340	1050
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	167
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	1075
WARDHA	405	330
Adani	2640	1851
Other CPPs	300	518
	4545	3774
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	7380
	3455	7380

	21940	19209
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