



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Oct/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.083	1513.116	1) Gujrat	8.323	105.449
2) Hydro	15.649	191.237	2) Madhya Pradesh	22.862	304.393
3) Gas	10.470	144.444	3) Chattisgarh	11.500	138.820
Total MSGENCO	133.202	1848.797	4) Maharashtra Net	127.530	1656.010
B) 1) JSW JAIGAD	28.285	384.986	(Incl. 765kV Solapur-Raichur)	-8.760	-94.855
2) WPCL	6.779	80.032	5) Goa	-8.018	-102.889
3) ADANI	45.430	563.310	6) TAPS 1&2 Injection	3.633	91.995
4) Other CPP / IPP	13.965	208.701	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.743	59.752	8) Pench (Excess)	-0.930	-12.883
6) PENCH (MS)	0.930	12.883	# Total Cent. Sector	164.900	2180.895
7) SOLAR	1.180	14.806	F) Other Exchanges		
C) 1) TPCL Thermal	19.953	277.496	1) With TPCL (Excess)	-27.316	-353.579
2) TPCL Hydro	3.961	52.869	G) Bilateral Power *		
TOTAL TPCL	23.914	330.365	1) MSEDCL Bilateral	69.270	828.852
3) REL Thermal	12.469	163.669	Include PX	33.506	347.410
D) STATE			2) MUMBAI Bilateral	20.291	330.219
1) Thermal (A1+C1+C3)	139.505	1954.281	Include PX	8.262	73.062
2) Hydro (A2+B6+C2)	20.540	256.989	3) MUMBAI Schedule	20.291	337.602
3) Gas (A3)	10.470	144.444	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.743	59.752	1) MSEDCL	370.098	5000.583
5) CPP/IPP (B1+B2+B3+B4)	94.459	1237.029	2) TPCL	40.110	532.311
6) SOLAR (B7)	1.180	14.806	3) REL	23.587	315.318
TOTAL STATE	268.897	3667.301	TOTAL STATE	433.795	5848.212

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4950	5062	4220
MSGENCO Hydro	1523	1563	42
MSGENCO Gas	422	427	438
MSGENCO Total Generation	6895	7052	4700
Central Sector Receipt	7356	7492	6554
WIND	16	57	163
CPP / IPP	3861	3876	3795
SOLAR	166	139	0
Exchange with Mumbai	-1436	-1442	-582
MSEDCL DEMAND MET	16884	17200	14656
Load Shedding	598	373	144
MSEDCL DEMAND	17482	17573	14800
TPCL GENERATION	1246	1237	821
R-INFRA GENERATION	518	520	522
TPCL+R-INFRA DEMAND	3200	3199	1925
STATE DEMAND MET	20084	20399	16581
STATE DEMAND	20682	20772	16725
Frequency (Hz)	49.96	49.92	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 05:04 Hrs	49.69 Hz at 17:54 Hrs	49.98	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 14/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	3.27	36.19	150	113	140
Unit 7	3.20	44.32	153	115	135
Total	6.47	80.51			275
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.20	30.90	145	125	125
Unit 4	6.16	53.07	355	15	94
Unit 5	8.20	114.67	460	295	310
Total	17.56	198.64			529
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	0.00	21.60	0	0	0
Unit 6	4.23	63.14	200	167	172
Unit 7	3.83	62.49	213	0	165
Total	8.06	184.88			337
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.57	44.24	157	140	140
Unit 3	4.01	51.77	179	150	150
Unit 4	4.50	61.98	199	165	160
Unit 5	7.87	115.19	400	285	300
Unit 6	7.09	108.34	365	255	280
Unit 7	7.91	108.53	394	307	330
Total	34.95	490.05			1360
Paras					
Unit 3	4.29	60.95	226	166	180
Unit 4	4.30	59.53	202	158	180
Total	8.59	120.48			360
Khaparkheda					
Unit 1	4.13	49.80	185	150	180
Unit 2	0.00	36.90	0	0	0
Unit 3	4.93	55.54	210	195	210
Unit 4	4.77	45.40	210	188	210
Unit 5	9.39	123.78	455	350	450
Total	23.22	311.44			1050
Nasik					
Unit 3	4.17	58.22	190	160	190
Unit 4	4.07	28.80	190	152	190
Unit 5	0.00	40.10	0	0	0
Total	8.24	127.13			380
Uran					
All Units	10.47	144.44	512	390	450
Total	10.47	144.44			450
PENCH (MS)					
Pench (MS)	0.93	12.88	54	26	
Total	0.93	12.88			
Koyna					
Stage 1-2	4.54	58.18	510	40	530
Stage 4	6.13	79.87	760	0	250
Stage 3	2.50	30.29	240	0	240
Kovna 12&4 Total	10.66	138.06			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.16	168.34			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.76	4.71	61	0	61
TILLARI	0.00	0.55	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.30	4.22	81	0	80
RNGR+BHTSA	0.00	2.10	0	0	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.10	1.52	12	1	11
GHATGHAR	1.32	7.60	250	0	0
Total	2.48	22.89			167
Wind					
MalharPeth	0.06	1.56			
Vankuswadi	0.14	2.85			
ATIT	0.01	0.37			
Kale	0.03	1.13			
Satara	0.95	32.24			
Shirala	0.05	1.71			
K Mahankal	0.01	0.18			
Supa	0.06	1.24			
Vita	0.14	6.26			
Dondaicha	0.63	4.60			
Sakri	0.42	1.24			
Nandurbar	0.07	2.07			
Khandke	0.09	2.84			
Khaparale	0.09	1.47			
Total	2.74	59.75			
CPP					
JSW JAIGAD	28.28	384.99	1185	1171	1075
WARDHA	6.78	80.03	326	219	330
Adani	45.43	563.31	2230	1780	1851
Other CPPs	13.96	208.70			518
Total	94.46	1237.03			3774
SOLAR					
Total	1.18	14.81			
Total	1.18	14.81			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.74	164.34	500	456	500
Trombay 6	3.72	52.20	156	154	500
Trombay 7A	2.87	38.60	126	114	120
Trombay 7B	1.62	22.35	69	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.96	52.87	408	0	447
Total	23.91	330.36			1627
REL					
1&2	12.47	163.67	522	516	500
Total	12.47	163.67			500
Cent Sect					
Share					7380
Total					7380
MS PG CL	Thermal	107.08	1513.12		4291
	Thml+Gas	117.55	1657.56		4741
	Hydro	15.65	191.24		1187
	Total	133.20	1848.80		5928
State Total		268.90	3667.30		19209

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	3922	102	434	4458	262	3795	0	6879	6892	-739	-968	14465	100	14565	2325	16890	49.98
2	4003	102	440	4545	233	3801	0	6760	6902	-606	-770	14742	133	14875	2125	17000	50.05
3	4094	57	436	4587	212	3782	0	6646	6794	-524	-633	14768	136	14904	1988	16892	50.00
4	4220	42	438	4700	163	3795	0	6281	6554	-472	-582	14656	144	14800	1925	16725	49.97
5	4224	67	438	4729	128	3795	0	6269	6686	-427	-574	14817	154	14971	1886	16857	50.01
6	4242	57	437	4736	136	3818	0	6835	7262	-407	-582	15423	258	15681	1944	17625	50.01
7	4263	831	438	5532	68	3810	4	6786	6822	-424	-613	15677	361	16038	2019	18057	49.94
8	4315	558	436	5309	47	3784	35	6524	6707	-508	-787	15148	397	15545	2156	17701	50.01
9	4373	353	442	5168	23	3886	88	6418	6244	-775	-1070	14392	354	14746	2455	17201	49.99
10	4407	1200	437	6044	27	3854	118	6492	7040	-818	-1304	15805	200	16005	2835	18840	50.04
11	4402	1477	430	6309	18	3893	148	7250	7242	-1099	-1481	16155	143	16298	3091	19389	50.00
12	4608	1689	424	6721	18	3853	166	7251	7487	-1193	-1456	16815	400	17215	3200	20415	50.00
13	4950	1523	422	6895	16	3861	166	7281	7356	-1127	-1436	16884	598	17482	3200	20682	49.96
14	5043	1184	428	6655	28	3860	155	7319	7573	-996	-1468	16829	531	17360	3090	20450	49.99
15	5062	1563	427	7052	57	3876	139	7237	7492	-1009	-1442	17200	373	17573	3199	20772	49.92
16	4757	1356	422	6535	59	3875	91	7421	7322	-1163	-1459	16449	303	16752	3202	19954	49.91
17	4568	430	460	5458	88	3881	57	7564	7471	-1133	-1438	15543	295	15838	3175	19013	49.80
18	4553	580	512	5645	145	3991	13	6451	6419	-1072	-1361	14878	336	15214	3092	18306	49.83
19	4571	835	467	5873	205	4030	0	6229	6493	-1081	-1359	15296	86	15382	3074	18456	49.92
20	4573	1078	390	6041	196	4191	0	6527	6676	-1010	-1445	15712	79	15791	3019	18810	50.01
21	4530	393	426	5349	177	4211	0	6474	6488	-932	-1351	14927	75	15002	2854	17856	50.04
22	4552	75	426	5053	179	4256	0	6162	6539	-964	-1274	14807	74	14881	2712	17593	50.03
23	4514	46	430	4990	162	4285	0	6298	6004	-945	-1282	14212	74	14286	2616	16902	50.00
24	4337	51	430	4818	96	4276	0	6404	6435	-866	-1181	14498	74	14572	2517	17089	50.01
MUs	107.08	15.65	10.47	133.20	2.74	94.46	1.18	161.76	164.90	-20.29	-27.32	370.10	5.68	375.78	63.70	439.48	49.98

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 14/Oct/2014

Position as on 6.30 Hrs of 15/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	15/10/2014	18.58	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	14/10/2014	16.57	Boiler Tube Leakage	
Nasik Unit 5	210	10/10/2014	19.45	15/10/2014	12.20	BTL	
Bhusawal Unit 4	500	11/10/2014	14.21	14/10/2014	00.45	BTL	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.	
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.	
CPP WPCL U-4	135	14/10/2014	00.00	14/10/2014	06.45	Coal problem.	
CPP WPCL U-3	135	15/10/2014	00.01		Continued.	ID Fan Vibration Problem.	
Koradi Unit 6	210	15/10/2014	12.50	15/10/2014	15.36	Furnace Pressure High	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 14/Oct/2014

Position as on 6.30 Hrs of 15/Oct/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP Adani U1	660	15/10/2014	20.29		Continued.	Main Steam Line Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Oct/2014

Position as on 6.30 Hrs of 15/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser-Boiser(PGCIL)-I	14/10/2014	06.42	14/10/2014	09.00	Hot Spot on wave trap at Boiser end.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	13/10/2014	16.10	14/10/2014	09.19	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.
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 KV Bus Section - I @ Apta	14/10/2014	07.06	14/10/2014	09.30	For removing old damaged E/W.
TBC at Parli I	14/10/2014	11.50	14/10/2014	12.45	Hot spot on TBC Bus Sec PG clamp.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
New Koyna - Karad - I	13/10/2014	15.37	14/10/2014	09.30	To attend hot spot,RFC at 18.26Hrs.
Deepnagar-A'bad	14/10/2014	16.52	14/10/2014	20.14	To join the line side jumper of main line isolator some strands found unwound.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	13/10/2014	21.32	14/10/2014	10.35	Over Voltage.
Karad - Kolhapur - II	13/10/2014	22.05	14/10/2014	09.09	Over Voltage.
Bhusawal- Aurangabad	15/10/2014	12.44		Continued.	Over Voltage
Karad - Kolhapur - II	15/10/2014	16.39		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Hingoli-Pusad	13/10/2014	11.17		Continued.	To control Wardha-Y'mal loading.
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
132/33KV 50MVA T/F I at 220KV Shahada	13/10/2014	01.05		Continued.	Diff Prot.
Karad-Kadegaon	14/10/2014	03.58	14/10/2014	13.10	Dist.prot,Declared faulty.
Babaleshwar - Nagar - II	14/10/2014	11.20	14/10/2014	16.51	Dist.Prot.
Babaleshwar - Nagar - I	14/10/2014	11.20	14/10/2014	11.28	Back up prot.
Umred - Virangana	14/10/2014	13.57	14/10/2014	14.15	At Virangana end only.
Kanhan - Umred - I	14/10/2014	13.57	14/10/2014	14.33	PDR at Umred end only.
Karad Mudsingi-II	15/10/2014	07.16	15/10/2014	08.40	Distance Protection
Ambazari-Amravati	15/10/2014	08.36		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon-Canpack	14/10/2014	12.27	14/10/2014	13.10	Dist Prot.
Bhusawal-Sawda	14/10/2014	14.00	14/10/2014	14.03	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	145
	620	285
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	280
Unit 5	500	310
	1420	720
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	360
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	180
Unit 4	210	200
Unit 5	500	300
Unit 6	500	300
Unit 7	500	320
	2340	1450
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	0
	53	0
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	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	26
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	1074
WARDHA	405	225
Adani	2640	2283
Other CPPs	300	518
	4545	4100
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	6783
	3455	6783