



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Oct/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.210	1089.423	1) Gujrat	1.299	86.132
2) Hydro	8.000	139.484	2) Madhya Pradesh	22.091	220.692
3) Gas	10.278	103.212	3) Chattisgarh	11.040	94.850
Total MSGENCO	129.488	1332.119	4) Maharashtra Net	119.359	1155.390
B) 1) JSW JAIGAD	28.290	276.242	(Incl. 765kV Solapur-Raichur)	0.095	-84.991
2) WPCL	6.857	53.278	5) Goa	-7.695	-72.615
3) ADANI	43.320	389.800	6) TAPS 1&2 Injection	7.027	71.106
4) Other CPP / IPP	14.184	152.957	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.590	31.052	8) Pench (Excess)	-1.098	-9.540
6) PENCH (MS)	1.098	9.540	# Total Cent. Sector	152.023	1546.015
7) SOLAR	1.104	10.301	F) Other Exchanges		
C) 1) TPCL Thermal	19.959	197.858	1) With TPCL (Excess)	-26.386	-252.526
2) TPCL Hydro	5.568	38.775	G) Bilateral Power *		
TOTAL TPCL	25.527	236.633	1) MSEDCL Bilateral	65.545	566.612
3) REL Thermal	12.527	113.707	Include PX	26.557	226.415
D) STATE			2) MUMBAI Bilateral	25.200	238.253
1) Thermal (A1+C1+C3)	143.696	1400.988	Include PX	5.960	45.401
2) Hydro (A2+B6+C2)	14.666	187.799	3) MUMBAI Schedule	25.238	245.321
3) Gas (A3)	10.278	103.212	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.590	31.052	1) MSEDCL	352.568	3548.778
5) CPP/IPP (B1+B2+B3+B4)	92.651	872.277	2) TPCL	40.649	379.020
6) SOLAR (B7)	1.104	10.301	3) REL	23.792	223.867
TOTAL STATE	264.985	2605.629	TOTAL STATE	417.009	4151.665

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4850	4994	4267
MSGENCO Hydro	587	405	267
MSGENCO Gas	418	410	441
MSGENCO Total Generation	5855	5809	4975
Central Sector Receipt	7131	7362	5819
WIND	50	93	76
CPP / IPP	3768	3844	3896
SOLAR	168	112	0
Exchange with Mumbai	-1408	-1427	-625
MSEDCL DEMAND MET	15613	15840	14191
Load Shedding	238	193	53
MSEDCL DEMAND	15851	16033	14244
TPCL GENERATION	1295	1278	832
R-INFRA GENERATION	522	522	524
TPCL+R-INFRA DEMAND	3225	3227	1981
STATE DEMAND MET	18838	19067	16172
STATE DEMAND	19076	19260	16225
Frequency (Hz)	49.85	49.76	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 21.46 Hrs	49.6 Hz at 18.27 Hrs	49.83	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 10/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	0.00	24.22	0	0	0
Unit 7	3.20	30.84	151	115	140
Total	3.20	55.06			140
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.33	18.19	150	125	150
Unit 4	4.54	41.66	350	0	0
Unit 5	8.65	80.10	500	310	450
Total	16.52	139.96			600
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.19	29.59	160	0	155
Unit 5	0.00	21.60	0	0	0
Unit 6	4.55	46.43	239	175	180
Unit 7	4.34	46.38	219	165	175
Total	12.08	144.01			510
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.34	29.94	155	127	150
Unit 3	4.04	35.76	175	160	170
Unit 4	4.65	43.82	202	178	200
Unit 5	8.24	86.36	430	300	350
Unit 6	7.91	79.79	390	290	350
Unit 7	8.07	79.49	396	289	350
Total	36.26	355.16			1570
Paras					
Unit 3	4.23	43.87	212	162	180
Unit 4	4.29	42.22	212	153	180
Total	8.52	86.09			360
Khaparkheda					
Unit 1	3.44	34.96	175	115	153
Unit 2	3.38	27.98	155	130	153
Unit 3	3.62	38.59	184	142	153
Unit 4	3.53	29.07	210	87	135
Unit 5	9.30	85.35	482	355	376
Total	23.26	215.95			970
Nasik					
Unit 3	4.08	41.20	185	165	190
Unit 4	3.95	11.90	173	153	190
Unit 5	3.36	40.10	187	0	190
Total	11.38	93.20			570
Uran					
All Units	10.28	103.21	441	410	450
Total	10.28	103.21			450
PENCH (MS)					
Pench (MS)	1.10	9.54	50	23	
Total	1.10	9.54			
Koyna					
Stage 1-2	2.70	42.86	270	40	530
Stage 4	2.40	60.78	459	0	250
Stage 3	0.78	22.55	160	0	240
Kovna 12&4 Total	5.10	103.64			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.88	126.20			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.92	1.78	61	0	61
TILLARI	0.00	0.55	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	3.06	80	0	80
RNGR+BHTSA	0.35	1.41	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.34	1.69	14	13	15
SMLHY PTN	0.14	1.06	13	3	11
GHATGHAR	0.00	3.72	0	0	0
Total	2.12	13.28			182
Wind					
MalharPeth	0.10	0.89			
Vankuswadi	0.22	1.70			
ATIT	0.03	0.19			
Kale	0.06	0.71			
Satara	1.30	17.62			
Shirala	0.08	0.96			
K Mahankal	0.00	0.08			
Supa	0.06	0.69			
Vita	0.14	2.77			
Dondaicha	0.18	2.30			
Sakri	0.04	0.42			
Nandurbar	0.06	0.70			
Khandke	0.20	1.24			
Khaparale	0.10	0.79			
Total	2.59	31.05			
CPP					
JSW JAIGAD	28.29	276.24	1188	1165	1075
WARDHA	6.86	53.28	328	225	355
Adani	43.32	389.80	1900	1690	1234
Other CPPs	14.18	152.96			518
Total	92.65	872.28			3182
SOLAR					
Total	1.10	10.30			
Total	1.10	10.30			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.87	117.12	500	476	500
Trombay 6	3.73	37.30	156	155	500
Trombay 7A	2.76	27.48	124	95	120
Trombay 7B	1.60	15.96	69	61	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.57	38.78	468	0	447
Total	25.53	236.63			1627
REL					
1&2	12.53	113.71	524	519	500
Total	12.53	113.71			500
Cent Sect					
Share					7210
Total					7210
MS PG CL	Thermal	111.21	1089.42		4720
	Thml+Gas	121.49	1192.64		5170
	Hydro	8.00	139.48		1202
	Total	129.49	1332.12		6372
State Total		264.98	2605.63		18891

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/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	4252	132	440	4824	93	3925	0	5995	5934	-875	-785	14041	81	14122	2283	16405	49.81
2	4239	232	439	4910	90	3899	0	5879	5955	-753	-666	14238	53	14291	2099	16390	49.79
3	4267	267	441	4975	76	3896	0	5784	5819	-672	-625	14191	53	14244	1981	16225	49.89
4	4286	152	440	4878	68	3880	0	5807	6091	-631	-546	14421	53	14474	1903	16377	49.91
5	4342	196	433	4971	100	3808	0	5823	5975	-614	-529	14372	53	14425	1885	16310	49.83
6	4358	447	437	5242	102	3805	0	6185	6226	-619	-544	14881	103	14984	1961	16945	49.76
7	4423	854	441	5718	88	3811	9	6239	6362	-663	-604	15408	130	15538	2062	17600	49.86
8	4507	907	440	5854	78	3815	33	5735	5554	-720	-727	14647	130	14777	2211	16988	49.89
9	4633	299	440	5372	46	3794	74	5982	5604	-992	-965	13968	126	14094	2510	16604	49.86
10	4687	299	430	5416	41	3874	124	6533	6598	-1071	-1168	14928	146	15074	2870	17944	49.83
11	4735	223	422	5380	45	3857	145	7024	7052	-1343	-1438	15091	202	15293	3132	18425	49.85
12	4850	587	418	5855	50	3768	168	7089	7131	-1420	-1408	15613	238	15851	3225	19076	49.85
13	5488	409	416	6313	83	3880	159	7126	6612	-1408	-1569	15525	295	15820	3226	19046	49.82
14	5194	343	410	5947	76	3866	150	7130	7096	-1346	-1429	15729	219	15948	3141	19089	49.78
15	4994	405	410	5809	93	3844	112	7118	7362	-1370	-1427	15840	193	16033	3227	19260	49.76
16	4718	488	414	5620	128	3913	83	7043	7311	-1388	-1484	15618	275	15893	3246	19139	49.74
17	4686	194	420	5300	194	3872	39	6588	6397	-1350	-1567	14282	321	14603	3244	17847	49.86
18	4776	142	420	5338	150	3904	8	6291	6311	-1295	-1408	14350	187	14537	3194	17731	49.80
19	4770	367	420	5557	117	3834	0	6299	6230	-1273	-1384	14401	108	14509	3148	17657	49.81
20	4691	410	430	5531	276	3857	0	6492	6407	-1177	-1390	14728	61	14789	3116	17905	49.88
21	4590	228	429	5247	134	3976	0	6346	6112	-1114	-1183	14336	60	14396	2893	17289	49.87
22	4594	169	429	5192	142	3774	0	6029	5971	-1082	-1115	14014	60	14074	2703	16777	49.87
23	4605	138	429	5172	153	3892	0	6013	5807	-1082	-1226	13848	60	13908	2621	16529	49.86
24	4525	112	430	5067	167	3907	0	5897	6106	-979	-1199	14098	60	14158	2559	16717	49.85
MUs	111.2 1	8.00	10.28	129.49	2.59	92.65	1.10	152.45	152.02	-25.24	-26.39	352.57	3.27	355.84	64.44	420.28	49.83

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 10/Oct/2014

Position as on 6.30 Hrs of 11/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.	
Bhusawal Unit 4	500	05/10/2014	15.48	10/10/2014	07.21	BTL	
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	
Koradi Unit 6	210	09/10/2014	22.51		Continued.	Boiler Tube Leakage	
CPP WPCL U-1	135	10/10/2014	03.40	10/10/2014	11.56	Turbine oil Leakage	
Parli Unit 4	210	10/10/2014	13.31	10/10/2014	16.09	Flame failure	
Nasik Unit 5	210	10/10/2014	19.45		Continued.	BTL	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Oct/2014

Position as on 6.30 Hrs of 11/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	09/10/2014	16.40	10/10/2014	09.20	Over Voltage
Dhule-Sar'Sarovar - I	09/10/2014	23.44	10/10/2014	06.08	Over Voltage
Kolhapur - Mapusa - II	10/10/2014	23.42		Continued.	over voltage
Dhule-Khandwa-II	11/10/2014	04.39	11/10/2014	04.58	Taking line reactor out
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.
Karad - Lonikand	09/10/2014	15.44		Continued.	Relay retrofitting work
400/220 KV 315 MVA ICT-II @ Lonikand	10/10/2014	11.27	10/10/2014	11.31	Emergency outage
Lonikand-Stage4	10/10/2014	11.58	10/10/2014	14.26	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-I @ Harangul.	07/10/2014	18.17		Continued.	CT and isolator PAD Repl.work.
220/132 KV 200 MVA ICT - II @ Theur	10/10/2014	09.05	10/10/2014	18.23	Attend oil leakage Y-ph
Vita - Ghatnandre	10/10/2014	09.19	10/10/2014	14.08	Replacement work
Bapgaon @ Bus PT	10/10/2014	10.10	10/10/2014	16.30	R.M.WORK
Solapur(PG)-South Solapur I	10/10/2014	10.30	10/10/2014	19.19	maintance work
Apta - Taloja	10/10/2014	12.38	10/10/2014	15.05	B phase CT hot spot attending work
Pedambe -Nerale	10/10/2014	13.05	10/10/2014	19.15	Replacement work
Bhosari - Lonikand 2	10/10/2014	14.55	10/10/2014	15.50	Attending hot spot
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boisar-MIDC	10/10/2014	10.36	10/10/2014	22.30	commissioning of new abb CR panel
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Aurangabad	09/10/2014	17.34	10/10/2014	06.38	over voltage
Karad - Kolhapur - I	09/10/2014	20.53	10/10/2014	09.07	Over Voltage
Karad - Kolhapur - II	10/10/2014	14.55		Continued.	over voltage
Bhusawal- Aurangabad	10/10/2014	23.34		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chinchwad - Hinjewadi	10/10/2014	09.47	10/10/2014	16.24	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	10/10/2014	16.17		Continued.	Distance protection
New Koyna - Dabhol - II	10/10/2014	16.27	10/10/2014	17.22	Distance protection
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.
Vita - Lamboti	09/10/2014	23.15	10/10/2014	14.41	Distance protection
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Kalyan	10/10/2014	16.29	10/10/2014	16.39	Disatnace protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Oct/2014

Position as on 6.30 Hrs of 11/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa - Kalyan	10/10/2014	16.45	10/10/2014	22.30	Disatance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	140
	620	140
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	350
Unit 5	500	320
	1420	810
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	0
Unit 6	250	182
Unit 7	250	170
	1130	487
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	350
	2340	1480
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	153
Unit 2	210	153
Unit 3	210	153
Unit 4	210	153
Unit 5	500	376
	1340	988
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	460
	852	460
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	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	181
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	355
Adani	2640	1234
Other CPPs	300	528
	4545	3192
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	7228
	3455	7228