



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Oct/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.900	1301.057	1) Gujrat	2.587	90.710
2) Hydro	18.930	165.278	2) Madhya Pradesh	19.745	260.516
3) Gas	10.305	123.758	3) Chattisgarh	10.230	115.970
Total MSGENCO	131.135	1590.093	4) Maharashtra Net	114.624	1399.345
B) 1) JSW JAIGAD	25.401	329.535	(Incl. 765kV Solapur-Raichur)	-4.162	-85.343
2) WPCL	5.886	66.906	5) Goa	-7.067	-87.179
3) ADANI	42.520	474.410	6) TAPS 1&2 Injection	6.613	84.745
4) Other CPP / IPP	13.857	180.745	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.812	48.080	8) Pench (Excess)	-0.829	-11.350
6) PENCH (MS)	0.829	11.350	# Total Cent. Sector	145.903	1852.757
7) SOLAR	1.051	12.357	F) Other Exchanges		
C) 1) TPCL Thermal	19.874	237.691	1) With TPCL (Excess)	-19.947	-299.140
2) TPCL Hydro	1.983	43.929	G) Bilateral Power *		
TOTAL TPCL	21.857	281.620	1) MSEDCL Bilateral	56.116	692.735
3) REL Thermal	12.495	138.712	Include PX	22.848	281.409
D) STATE			2) MUMBAI Bilateral	20.355	283.327
1) Thermal (A1+C1+C3)	134.269	1677.460	Include PX	6.537	57.553
2) Hydro (A2+B6+C2)	21.742	220.557	3) MUMBAI Schedule	20.355	290.394
3) Gas (A3)	10.305	123.758	H) ENERGY CATERED (MUs)		
4) Wind (B5)	9.812	48.080	1) MSEDCL	356.447	4267.093
5) CPP/IPP (B1+B2+B3+B4)	87.664	1051.596	2) TPCL	33.605	451.611
6) SOLAR (B7)	1.051	12.357	3) REL	20.692	267.880
TOTAL STATE	264.843	3133.808	TOTAL STATE	410.744	4986.584

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4277	4840	3723
MSGENCO Hydro	1271	514	1046
MSGENCO Gas	410	441	436
MSGENCO Total Generation	5958	5795	5205
Central Sector Receipt	6980	7014	6058
WIND	607	403	376
CPP / IPP	3649	3674	3602
SOLAR	155	130	0
Exchange with Mumbai	-1003	-987	-598
MSEDCL DEMAND MET	16378	16074	14670
Load Shedding	414	179	53
MSEDCL DEMAND	16792	16253	14723
TPCL GENERATION	829	877	819
R-INFRA GENERATION	519	520	523
TPCL+R-INFRA DEMAND	2351	2384	1940
STATE DEMAND MET	18729	18458	16610
STATE DEMAND	19143	18637	16663
Frequency (Hz)	50.01	49.94	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 11.01 Hrs	49.67 Hz at 10.40 Hrs	49.95	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 12/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	3.56	29.57	160	135	141
Unit 7	3.56	37.95	165	130	145
Total	7.12	67.52			286
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.32	24.59	150	125	140
Unit 4	0.00	46.91	0	0	0
Unit 5	8.91	97.54	515	320	320
Total	12.22	169.04			460
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.18	36.22	142	122	135
Unit 5	0.00	21.60	0	0	0
Unit 6	4.11	54.89	178	168	165
Unit 7	4.10	54.76	175	166	165
Total	11.38	167.47			465
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.58	37.08	157	140	150
Unit 3	4.03	43.82	173	158	180
Unit 4	4.65	53.09	197	185	210
Unit 5	5.61	99.30	340	145	200
Unit 6	6.54	93.45	375	200	200
Unit 7	5.72	92.48	341	0	230
Total	30.13	419.21			1170
Paras					
Unit 3	4.04	52.30	182	155	180
Unit 4	4.25	50.85	215	167	180
Total	8.29	103.15			360
Khaparkheda					
Unit 1	3.60	42.10	180	140	170
Unit 2	3.42	34.88	150	130	170
Unit 3	3.84	46.26	210	145	170
Unit 4	3.68	36.42	186	142	170
Unit 5	9.53	104.35	485	357	400
Total	24.06	264.00			1080
Nasik					
Unit 3	4.35	49.99	195	160	190
Unit 4	4.35	20.58	192	165	190
Unit 5	0.00	40.10	0	0	0
Total	8.70	110.67			380
Uran					
All Units	10.30	123.76	468	396	450
Total	10.30	123.76			450
PENCH (MS)					
Pench (MS)	0.83	11.35	45	26	
Total	0.83	11.35			
Koyna					
Stage 1-2	5.49	50.64	550	40	530
Stage 4	8.05	70.09	799	0	250
Stage 3	3.08	26.42	240	0	240
Kovna 12&4 Total	13.54	120.72			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.62	147.14			1020
Hydro					
KDPH	0.00	0.00	0	0	
VTRNA	0.94	3.63	61	0	61
TILLARI	0.00	0.55	0	0	
BHTGR/VEER	0.00	0.00	0	0	
BHIRA T.R.	0.30	3.68	80	0	80
RNGR+BHTSA	0.35	1.76	15	14	
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.16	2.18	16	0	15
SMLHY PTN	0.10	1.32	12	1	25
GHATGHAR	0.46	5.01	125	0	
Total	2.31	18.14			181
Wind					
MalharPeth	0.24	1.28			
Vankuswadi	0.38	2.40			
ATIT	0.05	0.30			
Kale	0.16	0.98			
Satara	5.16	26.74			
Shirala	0.31	1.45			
K Mahankal	0.05	0.15			
Supa	0.14	0.97			
Vita	1.58	5.12			
Dondaicha	0.44	3.11			
Sakri	0.11	0.61			
Nandurbar	0.46	1.50			
Khandke	0.57	2.29			
Khaparale	0.16	1.17			
Total	9.81	48.08			
CPP					
JSW JAIGAD	25.40	329.54	1065	1049	1075
WARDHA	5.89	66.91	252	242	370
Adani	42.52	474.41	1830	1620	1823
Other CPPs	13.86	180.74			518
Total	87.66	1051.60			3786
SOLAR					
Total	1.05	12.36			
Total	1.05	12.36			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.83	140.81	500	447	500
Trombay 6	3.73	44.76	156	155	500
Trombay 7A	2.73	32.97	120	99	120
Trombay 7B	1.59	19.15	68	61	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.98	43.93	300	0	447
Total	21.86	281.62			1627
REL					
1&2	12.50	138.71	523	518	500
Total	12.50	138.71			500
Cent Sect					
Share					6901
Total					6901
MS PG CL	Thermal	101.90	1301.06		4201
	Thml+Gas	112.20	1424.82		4651
	Hydro	18.93	165.28		1201
	Total	131.14	1590.09		5852
State Total		264.84	3133.81		18666

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4007	713	435	5155	429	3522	0	6211	6300	-970	-882	14569	80	14649	2384	17033	49.85
2	3849	881	434	5164	438	3512	0	6075	6334	-833	-703	14788	53	14841	2179	17020	49.89
3	3745	1019	435	5199	440	3559	0	5980	6137	-733	-623	14745	53	14798	2015	16813	49.85
4	3723	1046	436	5205	376	3602	0	5960	6058	-680	-598	14670	53	14723	1940	16663	49.91
5	3721	1006	438	5165	356	3640	0	5920	6146	-640	-530	14807	53	14860	1880	16740	49.97
6	3841	1164	437	5442	353	3716	0	5825	5986	-617	-400	15124	196	15320	1892	17212	49.86
7	3974	1359	442	5775	378	3703	1	6382	6115	-601	-435	15577	369	15946	1893	17839	49.97
8	3991	1153	440	5584	342	3738	28	5750	5345	-595	-558	14521	364	14885	1911	16796	49.97
9	4103	679	435	5217	241	3681	69	5852	5572	-648	-645	14175	315	14490	2006	16496	49.94
10	4110	1023	430	5563	222	3689	113	6187	6125	-752	-727	15025	301	15326	2154	17480	49.96
11	4164	1220	422	5806	331	3698	131	6477	6382	-849	-919	15459	351	15810	2278	18088	49.94
12	4277	1271	410	5958	607	3649	155	6762	6980	-938	-1003	16378	414	16792	2351	19143	50.01
13	4634	739	408	5781	609	3679	141	6787	6771	-967	-960	16054	471	16525	2367	18892	49.97
14	4754	437	402	5593	550	3655	139	6699	6788	-953	-921	15847	368	16215	2334	18549	49.93
15	4840	514	441	5795	403	3674	130	6688	7014	-948	-987	16074	179	16253	2384	18637	49.94
16	4587	1007	465	6059	337	3659	94	6409	6437	-952	-1056	15567	182	15749	2432	18181	50.00
17	4487	307	468	5262	326	3646	41	6273	6245	-925	-924	14622	234	14856	2402	17258	49.96
18	4461	492	468	5421	324	3674	9	5864	5665	-899	-862	14261	213	14474	2333	16807	49.96
19	4438	790	398	5626	360	3666	0	5861	5292	-868	-959	14015	114	14129	2436	16565	49.96
20	4483	917	398	5798	436	3634	0	6136	5608	-988	-903	14604	71	14675	2535	17210	50.03
21	4441	413	396	5250	449	3643	0	6229	5915	-999	-967	14322	64	14386	2530	16916	49.94
22	4484	526	413	5423	532	3650	0	5803	5337	-933	-1087	13881	60	13941	2550	16491	50.01
23	4425	136	426	4987	491	3678	0	5946	5543	-1062	-1173	13553	59	13612	2559	16171	49.98
24	4363	118	428	4909	482	3697	0	6107	5808	-1005	-1125	13811	59	13870	2554	16424	49.95
MUs	101.90	18.93	10.30	131.14	9.81	87.66	1.05	148.18	145.90	-20.36	-19.95	356.45	4.68	361.12	54.30	415.42	49.95

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 12/Oct/2014

Position as on 6.30 Hrs of 13/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		Continued.	BTL	
Chandrapur Unit 7	500	12/10/2014	01.33	12/10/2014	05.16	Electric hydro controler fail	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Oct/2014

Position as on 6.30 Hrs of 13/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-II	11/10/2014	17.57	12/10/2014	10.48	over voltage
Kolhapur - Mapusa - I	12/10/2014	16.10		Continued.	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Kharghar - Trombay	12/10/2014	14.43	13/10/2014	00.03	Y-B ph fault
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.)
Sonkhar-Trombay	12/10/2014	12.30	12/10/2014	16.48	Line jumper Replacement work
Borivali-Ghodbandar	12/10/2014	17.05	12/10/2014	19.46	Attend hot spot on R-ph bottom jumper Nut bolt
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kolshet-Vasai	08/10/2014	10.40	12/10/2014	22.06	Erection work at vasai
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	11/10/2014	16.38	12/10/2014	10.08	over voltage
Bhusawal- Aurangabad	11/10/2014	22.00	12/10/2014	05.33	over voltage
Karad - Kolhapur - I	12/10/2014	16.00		Continued.	over voltage
Khadka - Aurangabad	12/10/2014	22.07	13/10/2014	06.38	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-III At Kalwa.	12/10/2014	04.57	12/10/2014	19.44	LV side B ph CT burst
400/220KV 500 MVA ICT I at Kalwa	12/10/2014	04.57	12/10/2014	06.27	Bus bar protection operate
Dhule - Babhaleshwar - I	12/10/2014	13.45	12/10/2014	14.11	Tripped from bblr end only
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
Kalwa - Borivali	12/10/2014	04.55	12/10/2014	05.11	Distance protection
Kalwa-Mulund II	12/10/2014	04.57	12/10/2014	06.51	bus bar protection operated
Kalwa - Bapgaon	12/10/2014	04.57	12/10/2014	06.46	bus bar protection operated
Bus Coupler at Kalwa	12/10/2014	04.57	12/10/2014	06.03	bus bar protection operated
Kalwa - Salshet - IV	12/10/2014	04.57	12/10/2014	06.34	bus bar protection operated
Kalwa- salsett 6	12/10/2014	04.57	12/10/2014	06.33	bus bar protection operated
Kalwa - Siemens	12/10/2014	04.57	12/10/2014	06.59	bus bar protection operated
Chikhali - Jalna - I	12/10/2014	15.55		Continued.	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	125
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	0
Unit 5	500	350
	1420	490
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	470
Chandrapur		
Unit 1	210	0
Unit 2	210	155
Unit 3	210	180
Unit 4	210	210
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1445
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	450
	1340	1130
Nasik		
Unit 3	210	172
Unit 4	210	172
Unit 5	210	0
	630	344
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	0
BHANDARDRA	45	0
ELDARY	23	15
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	370
Adani	2640	1823
Other CPPs	300	441
	4545	3709
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	7114
	3455	7114

	21940	19086
--	--------------	--------------