



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Oct/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.175	2716.215	1) Gujrat	4.856	175.462
2) Hydro	4.308	280.147	2) Madhya Pradesh	15.936	511.255
3) Gas	3.950	240.998	3) Chattisgarh	8.420	246.960
Total MSGENCO	112.433	3237.360	4) Maharashtra Net	85.746	2889.286
B) 1) JSW JAIGAD	23.411	666.849	(Incl. 765kV Solapur-Raichur)	-5.644	-152.874
2) WPCL	3.876	134.933	5) Goa	-6.072	-183.840
3) ADANI	37.590	1094.140	6) TAPS 1&2 Injection	3.624	127.959
4) Other CPP / IPP	15.571	401.860	7) RGPPL Injection	0.000	0.000
5) Wind Generation	16.199	134.520	8) Pench (Excess)	-0.992	-24.252
6) PENCH (MS)	0.992	24.252	# Total Cent. Sector	111.518	3742.830
7) SOLAR	0.499	24.718	F) Other Exchanges		
C) 1) TPCL Thermal	16.216	486.703	1) With TPCL (Excess)	-20.798	-638.362
2) TPCL Hydro	0.861	82.828	G) Bilateral Power *		
TOTAL TPCL	17.077	569.531	1) MSEDCL Bilateral	34.262	1383.434
3) REL Thermal	11.234	296.332	Include PX	4.793	590.917
D) STATE			2) MUMBAI Bilateral	22.810	604.610
1) Thermal (A1+C1+C3)	131.625	3499.250	Include PX	2.867	113.957
2) Hydro (A2+B6+C2)	6.161	387.227	3) MUMBAI Schedule	22.810	613.808
3) Gas (A3)	3.950	240.998	H) ENERGY CATERED (MUs)		
4) Wind (B5)	16.199	134.520	1) MSEDCL	301.291	8823.100
5) CPP/IPP (B1+B2+B3+B4)	80.448	2297.782	2) TPCL	29.745	936.712
6) SOLAR (B7)	0.499	24.718	3) REL	19.364	567.532
TOTAL STATE	238.882	6584.495	TOTAL STATE	350.400	10327.344

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4476	4553	4233
MSGENCO Hydro	383	42	48
MSGENCO Gas	108	119	282
MSGENCO Total Generation	4967	4714	4563
Central Sector Receipt	5194	5165	4644
WIND	1022	967	471
CPP / IPP	3348	3070	3617
SOLAR	83	57	0
Exchange with Mumbai	-1088	-931	-832
MSEDCL DEMAND MET	13574	13089	12510
Load Shedding	228	255	59
MSEDCL DEMAND	13802	13344	12569
TPCL GENERATION	682	698	653
R-INFRA GENERATION	450	453	458
TPCL+R-INFRA DEMAND	2220	2082	1943
STATE DEMAND MET	15794	15171	14453
STATE DEMAND	16022	15426	14512
Frequency (Hz)	49.95	50.09	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 18.31 Hrs	49.72 Hz at 22.05 Hrs	49.97	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 25/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	3.51	73.32	157	135	125
Unit 7	3.24	78.29	155	115	125
Total	6.76	151.62			250
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.17	65.66	140	125	116
Unit 4	7.22	131.54	325	280	263
Unit 5	7.20	195.80	320	280	291
Total	17.59	393.00			670
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	4.43	113.04	233	166	170
Unit 7	4.52	112.13	240	173	229
Total	8.96	284.41			399
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	73.22	0	0	0
Unit 3	3.97	93.61	176	159	160
Unit 4	3.98	107.57	175	160	165
Unit 5	7.27	199.99	350	277	350
Unit 6	7.11	188.39	345	275	350
Unit 7	7.28	191.65	322	289	350
Total	29.62	854.44			1375
Paras					
Unit 3	4.44	109.04	222	174	250
Unit 4	4.39	107.53	211	170	250
Total	8.83	216.57			500
Khaparkheda					
Unit 1	3.79	91.36	170	140	170
Unit 2	3.56	70.52	175	120	170
Unit 3	0.40	81.41	143	0	0
Unit 4	4.08	90.80	183	163	170
Unit 5	8.70	222.98	450	320	360
Total	20.53	557.08			870
Nasik					
Unit 3	4.00	103.56	175	160	160
Unit 4	3.98	73.34	170	160	160
Unit 5	3.92	82.20	169	152	160
Total	11.89	259.10			480
Uran					
All Units	3.95	241.00	283	0	0
Total	3.95	241.00			0
PENCH (MS)					
Pench (MS)	0.99	24.25	49	23	
Total	0.99	24.25			
Koyna					
Stage 1-2	2.40	87.70	450	40	530
Stage 4	0.05	103.06	50	0	250
Stage 3	0.08	41.03	60	0	240
Kovna 12&4 Total	2.45	190.76			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.53	231.79			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.90	13.92	61	0	61
TILLARI	0.40	3.04	64	0	64
BHTGR/VEER	0.00	0.08	0	0	0
BHIRA T.R.	0.05	5.96	40	0	0
RNGR+BHTSA	0.00	4.38	0	0	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.11	2.65	14	1	12
GHATGHAR	0.32	16.17	125	0	0
Total	1.77	48.38			152
Wind					
MalharPeth	0.54	3.79			
Vankuswadi	1.44	7.84			
ATIT	0.16	0.89			
Kale	0.38	2.74			
Satara	8.56	74.70			
Shirala	0.66	4.56			
K Mahankal	0.04	0.40			
Supa	0.10	2.06			
Vita	1.58	14.28			
Dondaicha	1.37	8.88			
Sakri	0.22	1.87			
Nandurbar	0.24	4.18			
Khandke	0.29	4.91			
Khaparale	0.63	3.41			
Total	16.20	134.52			
CPP					
JSW JAIGAD	23.41	666.85	1105	895	1099
WARDHA	3.88	134.93	169	89	204
Adani	37.59	1094.14	1950	1270	2130
Other CPPs	15.57	401.86			745
Total	80.45	2297.78			4178
SOLAR					
Total	0.50	24.72			
Total	0.50	24.72			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.18	284.38	487	228	500
Trombay 6	3.72	93.16	156	155	500
Trombay 7A	2.75	69.32	116	114	120
Trombay 7B	1.56	39.85	66	64	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.86	82.83	207	0	447
Total	17.08	569.53			1627
REL					
1&2	11.23	296.33	522	449	500
Total	11.23	296.33			500
Cent Sect					
Share					5775
Total					5775
MS PG CL	Thermal	104.18	2716.22		4544
	Thml+Gas	108.12	2957.21		4544
	Hydro	4.31	280.15		1172
	Total	112.43	3237.36		5716
State Total		238.88	6584.50		17796

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4270	307	281	4858	244	3382	0	4567	4871	-1008	-1072	12330	91	12421	2234	14655	49.94
2	4235	272	280	4787	339	3480	0	4490	4796	-851	-931	12518	59	12577	2063	14640	49.94
3	4233	48	282	4563	471	3617	0	4609	4644	-751	-832	12510	59	12569	1943	14512	49.98
4	4259	41	281	4581	538	3661	0	4673	4736	-727	-748	12815	59	12874	1860	14734	49.95
5	4288	41	279	4608	605	3540	0	4771	4799	-727	-711	12890	59	12949	1823	14772	49.95
6	4291	101	0	4392	661	3669	0	5092	5409	-754	-708	13470	70	13540	1841	15381	49.91
7	4324	366	0	4690	471	3872	1	4937	5372	-771	-538	13916	150	14066	1833	15899	49.92
8	4346	511	20	4877	394	3890	13	4470	4464	-789	-492	13193	156	13349	1837	15186	49.94
9	4353	120	38	4511	343	3820	32	4485	4595	-833	-586	12762	132	12894	1934	14828	49.96
10	4308	497	38	4843	400	3819	48	4626	4673	-862	-785	13045	101	13146	2074	15220	49.88
11	4324	347	34	4705	788	3617	65	5241	4970	-1077	-938	13255	84	13339	2194	15533	49.95
12	4476	383	108	4967	1022	3348	83	5581	5194	-1101	-1088	13574	228	13802	2220	16022	49.95
13	4611	42	89	4742	940	3207	76	5695	5476	-1107	-1060	13428	336	13764	2180	15944	50.01
14	4553	42	119	4714	967	3070	57	5621	5165	-1094	-931	13089	255	13344	2082	15426	50.09
15	4525	42	168	4735	946	3028	67	5604	5048	-1093	-912	12959	180	13139	2030	15169	50.02
16	4419	79	193	4691	926	3029	36	4893	4842	-1086	-859	12712	167	12879	1995	14874	50.01
17	4254	103	185	4542	969	3025	18	4347	4117	-1100	-834	11862	174	12036	1951	13987	49.98
18	4221	112	185	4518	931	3050	3	4234	4209	-1005	-829	11905	143	12048	1968	14016	49.94
19	4261	178	114	4553	881	2978	0	4833	4887	-1086	-984	12338	71	12409	2203	14612	49.99
20	4280	179	190	4649	762	3059	0	5181	5151	-982	-1077	12567	69	12636	2271	14907	50.02
21	4293	182	226	4701	772	3099	0	4899	4508	-979	-1035	12068	64	12132	2209	14341	50.03
22	4319	109	276	4704	717	3087	0	4640	3733	-1010	-1029	11236	61	11297	2187	13484	50.08
23	4352	103	283	4738	656	3112	0	3565	3194	-1032	-962	10785	61	10846	2094	12940	49.95
24	4380	103	281	4764	456	2989	0	2897	2665	-982	-857	10064	61	10125	2083	12208	49.99
MUs	104.18	4.31	3.95	112.43	16.20	80.45	0.50	113.95	111.52	-22.81	-20.80	301.29	2.89	304.18	49.11	353.29	49.97

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 25/Oct/2014

Position as on 6.30 Hrs of 26/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	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-3	135	15/10/2014	00.01		Continued.	ID Fan Vibration Problem.	
Chandrapur Unit 2	210	23/10/2014	02.39		Continued.	Main Bus-2.Tripped.	
Khaparkheda Unit 3	210	23/10/2014	20:13	25/10/2014	19.33	Boiler Tube Leakage.	
Uran Unit 6	108	24/10/2014	15.58		Continued.	gas shortage	
CPP Adani U-5	660	24/10/2014	19.23		Continued.	Boiler MFT	
Uran Unit 8	108	25/10/2014	05.07	25/10/2014	07.41	Excitation Problem.	
Uran Unit 5	108	25/10/2014	05.07	25/10/2014	08.03	Cascade Tripping.	
Uran Unit A0	120	25/10/2014	05.07	25/10/2014	13.35	Cascade Tripping.	
Uran Unit B0	120	25/10/2014	05.07	25/10/2014	21.13	Cascade Tripping.	
CPP Adani U-4	660	25/10/2014	10.32		Continued.	Heavy Leakage in Drain Pipe.	
CPP WPCL U-4	135	25/10/2014	17.30	25/10/2014	19.03	Low Vacuum Pressure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Oct/2014

Position as on 6.30 Hrs of 26/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	24/10/2014	10.47		Continued.	Gantry Erection Work.
Lamboti - Solapur (PGCIL)	26/10/2014	12.05	26/10/2014	18.32	maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	22/10/2014	16.08	25/10/2014	09.03	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	24/10/2014	13.13	25/10/2014	08.24	Over Voltage.
Kolhapur-Mapusa-II	25/10/2014	13.14		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	25/10/2014	19.31	26/10/2014	06.14	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/10/2014	20.55		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	23/10/2014	08.35		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.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chakan - Mahindra Vechicles	25/10/2014	09.50	25/10/2014	16.30	Due to 220KV Main Bus Outage for Half Yearly Maint.Work.
Main Bus @ Mahindra	25/10/2014	09.50	25/10/2014	16.30	Half Yearly Maint. Work.
Borivali - Bhandup (GIS)	26/10/2014	07.49	26/10/2014	13.16	R.M.work
Bus coupler @ sonkar	26/10/2014	09.45	26/10/2014	13.51	maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	22/10/2014	15.07		Continued.	Over Voltage.
Karad-Jaigad I	24/10/2014	15.35		Continued.	Over Voltage.
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	24/10/2014	18.36	25/10/2014	09.23	Over Voltage.
Bhusawal- Aurangabad	25/10/2014	16.12	26/10/2014	07.00	Over Voltage.
Lonikand- Koyna Stage IV	25/10/2014	16.20	26/10/2014	10.35	Over Voltage.
Lonikand-Karad	26/10/2014	02.40		Continued.	Over Voltage.
Bhusawal- Aurangabad	26/10/2014	19.46		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Oni - Kharepatan	25/10/2014	12.05	25/10/2014	13.31	TO By Pass B Ph Hanging LA @ Oni End.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30		Continued.	Caught Fire.
Pedambe -Nerale	24/10/2014	18.30	25/10/2014	02.05	B Ph LA Burst @ Nerale S/S.
Vita - Lamboti	26/10/2014	04.04	26/10/2014	04.42	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	145
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	116
Unit 4	500	263
Unit 5	500	291
	1420	670
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	175
Unit 7	250	175
	1130	350
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	160
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1225
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	360
	1340	1040
Nasik		
Unit 3	210	160
Unit 4	210	160
Unit 5	210	160
	630	480
Uran		
All Units	852	445
	852	445
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	64
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	176
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	1001
WARDHA	405	205
Adani	2640	1698
Other CPPs	300	745
	4545	3649
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	5309
	3455	5309

	21940	17141
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