



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Oct/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.289	3020.102	1) Gujrat	7.248	186.484
2) Hydro	11.680	306.580	2) Madhya Pradesh	18.481	559.300
3) Gas	9.814	269.010	3) Chattisgarh	10.030	274.580
Total MSGENCO	116.783	3595.692	4) Maharashtra Net	104.304	3173.064
B) 1) JSW JAIGAD	25.999	740.266	(Incl. 765kV Solapur-Raichur)	-3.929	-166.430
2) WPCL	5.055	148.521	5) Goa	-6.053	-200.399
3) ADANI	39.830	1206.880	6) TAPS 1&2 Injection	3.639	138.862
4) Other CPP / IPP	16.755	450.906	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.449	150.036	8) Pench (Excess)	-1.017	-27.224
6) PENCH (MS)	1.017	27.224			
7) SOLAR	1.144	27.447	# Total Cent. Sector	136.632	4104.667
C) 1) TPCL Thermal	19.028	537.763	F) Other Exchanges		
2) TPCL Hydro	4.269	92.010	1) With TPCL (Excess)	-20.748	-698.096
TOTAL TPCL	23.297	629.773	G) Bilateral Power *		
3) REL Thermal	12.215	331.346	1) MSEDCL Bilateral	40.475	1490.829
D) STATE			Include PX	7.570	604.036
1) Thermal (A1+C1+C3)	126.532	3889.211	2) MUMBAI Bilateral	23.840	670.183
2) Hydro (A2+B6+C2)	16.966	425.814	Include PX	2.227	122.336
3) Gas (A3)	9.814	269.010	3) MUMBAI Schedule	23.890	679.432
4) Wind (B5)	2.449	150.036	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	87.639	2546.573	1) MSEDCL	324.916	9753.543
6) SOLAR (B7)	1.144	27.447	2) TPCL	34.365	1030.741
TOTAL STATE	244.544	7308.091	3) REL	21.893	628.489
			TOTAL STATE	381.174	11412.773

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	4373	4482	3762
MSGENCO Hydro	752	592	60
MSGENCO Gas	401	400	416
MSGENCO Total Generation	5526	5474	4238
Central Sector Receipt	6514	6791	5166
WIND	81	41	175
CPP / IPP	3782	3763	3548
SOLAR	179	131	0
Exchange with Mumbai	-1137	-1064	-514
MSEDCL DEMAND MET	14972	15185	12634
Load Shedding	774	690	29
MSEDCL DEMAND	15746	15875	12663
TPCL GENERATION	1223	1168	655
R-INFRA GENERATION	510	521	454
TPCL+R-INFRA DEMAND	2870	2753	1623
STATE DEMAND MET	17842	17938	14257
STATE DEMAND	18616	18628	14286
Frequency (Hz)	49.90	49.97	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 00:01 Hrs	49.71 Hz at 12:19 Hrs	49.94	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 28/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	83.76	155	115	130
Unit 7	0.00	83.85	0	0	0
Total	3.27	167.61			130
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	69.33	0	0	0
Unit 4	7.75	153.61	455	270	300
Unit 5	0.00	207.36	0	0	0
Total	7.75	430.30			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	3.62	25.84	160	140	140
Unit 6	4.55	126.10	250	165	180
Unit 7	4.62	125.96	250	178	175
Total	12.78	315.54			495
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.11	74.34	142	0	0
Unit 3	3.76	104.42	166	138	160
Unit 4	3.95	119.30	168	161	165
Unit 5	7.14	221.92	310	280	300
Unit 6	6.93	209.73	300	275	300
Unit 7	6.51	212.95	310	193	300
Total	29.40	942.67			1225
Paras					
Unit 3	4.35	122.47	223	163	180
Unit 4	4.28	120.63	209	152	180
Total	8.64	243.10			360
Khaparkheda					
Unit 1	4.02	103.14	175	140	153
Unit 2	3.90	81.14	175	140	153
Unit 3	0.00	87.68	0	0	0
Unit 4	4.61	103.94	207	184	153
Unit 5	8.94	249.78	500	337	324
Total	21.48	625.68			783
Nasik					
Unit 3	4.10	115.82	205	155	160
Unit 4	3.90	85.27	185	146	160
Unit 5	3.98	94.12	177	158	160
Total	11.98	295.21			480
Uran					
All Units	9.81	269.01	417	395	445
Total	9.81	269.01			445
PENCH (MS)					
Pench (MS)	1.02	27.22	50	20	0
Total	1.02	27.22			0
Koyna					
Stage 1-2	3.60	96.24	550	40	530
Stage 4	2.41	106.91	534	0	250
Stage 3	1.55	44.61	240	0	240
Kovna 12&4 Total	6.02	203.14			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.57	247.75			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	1.04	17.09	61	0	61
TILLARI	0.44	4.34	64	0	64
BHTGR/VEER	0.09	0.20	4	3	2
BHIRA T.R.	0.24	6.38	81	0	77
RNGR+BHTSA	0.35	5.10	28	0	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.09	2.79	11	0	11
GHATGHAR	1.86	20.74	250	0	0
Total	4.11	58.83			231
Wind					
MalharPeth	0.10	4.20			
Vankuswadi	0.25	8.89			
ATIT	0.02	0.98			
Kale	0.08	3.06			
Satara	1.53	83.00			
Shirala	0.12	5.09			
K Mahankal	0.00	0.42			
Supa	0.03	2.18			
Vita	0.19	15.61			
Dondaicha	0.00	10.08			
Sakri	0.00	2.42			
Nandurbar	0.01	4.34			
Khandke	0.01	5.29			
Khaparale	0.10	4.47			
Total	2.45	150.04			
CPP					
JSW JAIGAD	26.00	740.27	1209	987	1050
WARDHA	5.06	148.52	225	188	230
Adani	39.83	1206.88	1690	1630	1698
Other CPPs	16.76	445.35			745
Total	87.64	2541.01			3723
SOLAR					
Total	1.14	27.45			
Total	1.14	27.45			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.84	310.66	499	316	500
Trombay 6	3.74	104.37	157	155	500
Trombay 7A	2.84	78.01	123	114	120
Trombay 7B	1.61	44.72	69	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.27	92.01	430	0	447
Total	23.30	629.77			1627
REL					
1&2	12.22	331.35	524	453	500
Total	12.22	331.35			500
Cent Sect					
Share					6309
Total					6309
MS PG CL	Thermal	95.29	3020.10		3773
	Thml+Gas	105.10	3289.11		4218
	Hydro	11.68	306.58		1251
	Total	116.78	3595.69		5469
State Total		244.54	7308.09		17628

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	3803	120	410	4333	214	3522	0	4731	4979	-791	-750	12343	67	12410	1921	14331	50.01
2	3804	61	414	4279	248	3533	0	4802	5134	-749	-610	12634	27	12661	1762	14423	49.99
3	3760	60	415	4235	216	3544	0	4783	5270	-722	-563	12725	27	12752	1670	14422	49.97
4	3762	60	416	4238	175	3548	0	4769	5166	-708	-514	12634	29	12663	1623	14286	49.99
5	3795	75	416	4286	168	3533	0	4793	5299	-713	-510	12799	29	12828	1616	14444	49.98
6	3762	275	417	4454	185	3563	0	5371	5874	-683	-479	13642	82	13724	1671	15395	49.91
7	3788	625	417	4830	169	3505	2	5579	5984	-710	-445	14092	255	14347	1809	16156	49.79
8	3798	840	417	5055	138	3752	34	5166	5222	-937	-561	13687	516	14203	1916	16119	49.94
9	3755	238	414	4407	129	3785	87	5203	5209	-1041	-863	12801	508	13309	2213	15522	49.93
10	3822	515	410	4747	128	3796	135	5820	5930	-970	-959	13824	376	14200	2579	16779	49.87
11	3873	553	405	4831	142	3736	157	6192	6567	-1160	-1063	14415	420	14835	2811	17646	49.89
12	3957	862	401	5220	145	3817	179	6410	6752	-1235	-1086	15047	587	15634	2879	18513	49.99
13	4373	752	401	5526	81	3782	179	6424	6514	-1233	-1137	14972	774	15746	2870	18616	49.90
14	4482	592	400	5474	41	3763	131	6309	6791	-1175	-1064	15185	690	15875	2753	18628	49.97
15	4498	697	395	5590	22	3815	109	6407	6337	-1189	-1063	14859	523	15382	2790	18172	49.81
16	4233	1008	409	5650	16	3769	75	6207	6538	-1190	-1087	15007	423	15430	2799	18229	49.90
17	4042	964	409	5415	14	3773	45	5459	5844	-1243	-1086	14055	436	14491	2792	17283	49.92
18	4037	882	410	5329	17	3651	11	5279	5021	-1141	-974	13102	646	13748	2743	16491	49.95
19	3998	662	410	5070	21	3565	0	5630	6045	-1188	-1116	13635	594	14229	2777	17006	49.97
20	4001	695	409	5105	28	3624	0	5767	5689	-1097	-1070	13426	731	14157	2739	16896	50.04
21	3987	485	408	4880	25	3622	0	5327	5540	-1098	-975	13140	546	13686	2586	16272	49.99
22	4019	392	407	4818	29	3608	0	4951	5194	-1054	-1034	12662	326	12988	2442	15430	50.00
23	3996	163	402	4561	39	3545	0	4824	4894	-972	-914	12172	183	12355	2313	14668	49.96
24	3944	104	402	4450	59	3488	0	5000	4839	-892	-825	12058	145	12203	2186	14389	49.95
MUs	95.29	11.68	9.81	116.78	2.45	87.64	1.14	131.20	136.63	-23.89	-20.75	324.92	8.94	333.86	56.26	390.12	49.94

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 28/Oct/2014

Position as on 6.30 Hrs of 29/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 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	28/10/2014	13.08	Main Bus-2.Tripped.	
Uran Unit 6	108	24/10/2014	15.58		Continued.	gas shortage	
CPP Adani U-5	660	24/10/2014	19.23	28/10/2014	23.44	Boiler MFT	
CPP Adani U-4	660	25/10/2014	10.32		Continued.	Heavy Leakage in Drain Pipe.	
Bhusawal Unit 3	210	27/10/2014	04.58		Continued.	poor coal receipt	
Khaparkheda Unit 3	210	27/10/2014	12.43		Continued.	BLR T/L.	
Bhusawal Unit 5	500	27/10/2014	15.02		Continued.	Coal Shortage.	
Koradi Unit 7	210	27/10/2014	17.10		Continued.	BLR T/L.	
CPP IPL U-1	270	28/10/2014	17.53		Continued.	Turbine Shaft vibration high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Oct/2014

Position as on 6.30 Hrs of 29/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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	25/10/2014	20.55	28/10/2014	18.44	Over Voltage.
Kolhapur - Mapusa - I	27/10/2014	22.54	28/10/2014	19.03	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.
400/15.75KV 240MVA GT VII at Koradi	28/10/2014	11.30		Continued.	Erection of new bus post insulator,DCRM,bay maint.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Oni - Kharepatan	28/10/2014	10.07	28/10/2014	16.41	Repl of B-Ph LA.
Parli-Usmanabad	28/10/2014	10.17	28/10/2014	15.07	Signature test analysis.
Dhule-BBLSR I & II	28/10/2014	11.12	28/10/2014	15.17	On line PID Testing work.
Usmanabad --Bale	28/10/2014	17.36	28/10/2014	19.22	Attend hot spot.
Boiser-Versova	28/10/2014	23.02	29/10/2014	05.50	Testing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	22/10/2014	15.07	28/10/2014	09.11	Over Voltage.
Karad-Jaigad I	24/10/2014	15.35	28/10/2014	09.16	Over Voltage.
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	27/10/2014	17.16	28/10/2014	06.18	Over Voltage.
Lonikand- Koyna Stage IV	27/10/2014	21.52	28/10/2014	08.28	Over Voltage.
Karad - Kolhapur - II	28/10/2014	16.00		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/10/2014	17.06	29/10/2014	05.57	Over Voltage.
Lonikand- Koyna Stage IV	28/10/2014	22.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/15.75KV 250MVA GT II at CHDPR	23/10/2014	02.39	28/10/2014	13.08	Main Bus II Tripped,96 relay optd.
Lonikand- Koyna Stage IV	28/10/2014	09.40	28/10/2014	10.10	R-Ph Z-I.
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.
Karad Mudsingi-II	28/10/2014	06.12	28/10/2014	08.47	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar - Saoner - I	28/10/2014	04.27	28/10/2014	04.53	Dist.Prot.
Amravati - Achalpur	28/10/2014	07.13	28/10/2014	07.33	Dist.Prot.
null					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bhusawal-Ckt.I Main Bay (405) at Deepnagar	28/10/2014	13.35	28/10/2014	16.40	Tan delta measurement of CT's.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	0
	620	145
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	282
Unit 5	500	0
	1420	282
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	180
Unit 7	250	175
	1130	515
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	160
Unit 4	210	185
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1395
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	0
Unit 4	210	170
Unit 5	500	360
	1340	870
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	420
	852	420
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	64
BHTGR/VEER	21	4
BHIRA T.R.	80	81
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	234
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	1110
WARDHA	405	225
Adani	2640	2130
Other CPPs	300	500
	4545	3965
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	6584
	3455	6584

	21940	18487
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