



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Sep/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.214	2645.676	1) Gujrat	12.087	128.956
2) Hydro	23.471	571.149	2) Madhya Pradesh	18.483	432.390
3) Gas	9.566	277.899	3) Chattisgarh	8.920	194.210
Total MSGENCO	123.251	3494.724	4) Maharashtra Net	121.177	2585.892
B) 1) JSW JAIGAD	28.966	760.249	(Incl. 765kV Solapur-Raichur)	-11.610	-172.079
2) WPCL	5.487	103.091	5) Goa	-6.660	-179.755
3) ADANI	35.520	569.203	6) TAPS 1&2 Injection	7.159	205.620
4) Other CPP / IPP	20.764	420.593	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.712	538.592	8) Pench (Excess)	-0.594	-16.093
6) PENCH (MS)	0.594	16.093	# Total Cent. Sector	160.572	3351.220
7) SOLAR	0.744	23.781	F) Other Exchanges		
C) 1) TPCL Thermal	16.275	422.387	1) With TPCL (Excess)	-21.253	-705.204
2) TPCL Hydro	5.141	132.188	G) Bilateral Power *		
TOTAL TPCL	21.416	554.575	1) MSEDCL Bilateral	49.102	783.976
3) REL Thermal	12.491	335.800	Include PX	26.531	124.565
D) STATE			2) MUMBAI Bilateral	23.008	626.790
1) Thermal (A1+C1+C3)	118.980	3403.863	Include PX	3.921	113.235
2) Hydro (A2+B6+C2)	29.206	719.430	3) MUMBAI Schedule	23.923	639.209
3) Gas (A3)	9.566	277.899	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.712	538.592	1) MSEDCL	360.357	8572.342
5) CPP/IPP (B1+B2+B3+B4)	90.737	1853.136	2) TPCL	34.364	1017.844
6) SOLAR (B7)	0.744	23.781	3) REL	20.795	577.717
TOTAL STATE	254.945	6816.701	TOTAL STATE	415.516	10167.903

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3959	3924	3619
MSGENCO Hydro	891	961	1491
MSGENCO Gas	422	420	415
MSGENCO Total Generation	5272	5305	5525
Central Sector Receipt	7887	7340	5545
WIND	334	293	141
CPP / IPP	3762	3756	3798
SOLAR	83	56	0
Exchange with Mumbai	-981	-1018	-742
MSEDCL DEMAND MET	16382	15758	14294
Load Shedding	171	564	51
MSEDCL DEMAND	16553	16322	14345
TPCL GENERATION	910	827	668
R-INFRA GENERATION	520	521	522
TPCL+R-INFRA DEMAND	2411	2366	1932
STATE DEMAND MET	18793	18124	16226
STATE DEMAND	18964	18688	16277
Frequency (Hz)	49.79	49.88	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 07.01 Hrs	49.56 Hz at 18.37 Hrs	49.88	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/Sep/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	1.35	72.14	151	0	145
Unit 7	3.61	77.09	165	120	150
Total	4.96	149.22			295
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	3.08	42.12	135	120	130
Unit 4	0.00	31.84	0	0	0
Unit 5	8.96	237.24	460	310	320
Total	12.04	320.14			450
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.70	98.93	160	149	160
Unit 6	4.09	137.16	236	0	230
Unit 7	4.94	130.29	231	166	210
Total	12.73	366.38			600
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.24	56.34	141	120	140
Unit 3	0.00	66.78	0	0	0
Unit 4	3.80	94.59	166	145	160
Unit 5	8.02	155.50	420	215	250
Unit 6	0.00	154.98	0	0	0
Unit 7	8.44	187.56	396	302	350
Total	23.48	715.75			900
Paras					
Unit 3	0.00	75.37	0	0	0
Unit 4	3.91	124.51	184	24	163
Total	3.91	199.88			163
Khaparkheda					
Unit 1	3.70	82.42	165	140	170
Unit 2	3.58	97.28	170	125	170
Unit 3	3.90	106.58	175	155	170
Unit 4	2.28	82.71	150	0	170
Unit 5	7.14	202.70	350	236	350
Total	20.60	571.69			1030
Nasik					
Unit 3	4.22	109.62	195	160	160
Unit 4	4.08	100.34	183	156	160
Unit 5	4.19	112.66	191	158	160
Total	12.49	322.61			480
Uran					
All Units	9.57	277.90	438	270	425
Total	9.57	277.90			425
PENCH (MS)					
Pench (MS)	0.59	16.09	27	23	
Total	0.59	16.09			
Koyna					
Stage 1-2	4.44	136.34	495	40	600
Stage 4	13.70	247.68	1120	0	250
Stage 3	4.62	91.30	240	0	240
Kovna 12&4 Total	18.14	384.02			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	22.76	475.32			1090
Hydro					
KDPH	0.00	7.40	0	0	0
VTRNA	0.00	11.63	0	0	0
TILLARI	0.13	12.38	64	0	60
BHTGR/VEER	0.10	3.67	5	4	4
BHIRA T.R.	0.38	10.62	80	0	80
RNGR+BHTSA	0.00	1.25	0	0	0
BHANDARDRA	0.00	6.12	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.10	23.75	12	1	13
GHATGHAR	0.00	19.02	0	0	0
Total	0.71	95.83			157
Wind					
MalharPeth	0.15	16.43			
Vankuswadi	0.36	27.31			
ATIT	0.03	3.58			
Kale	0.10	10.90			
Satara	3.44	248.10			
Shirala	0.16	15.28			
K Mahankal	0.01	1.64			
Supa	0.01	8.54			
Vita	0.59	50.89			
Dondaicha	0.39	91.60			
Sakri	0.02	13.65			
Nandurbar	0.17	16.78			
Khandke	0.19	18.29			
Khaparale	0.09	15.59			
Total	5.71	538.59			
CPP					
JSW JAIGAD	28.97	760.25	1213	1201	1100
WARDHA	5.49	103.09	231	225	215
Adani	35.52	569.20	1540	1340	1360
Other CPPs	20.76	420.59			968
Total	90.74	1853.14			3643
SOLAR					
Total	0.74	23.78			
Total	0.74	23.78			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.95	274.96	501	480	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.72	68.85	115	100	120
Trombay 7B	1.61	42.33	68	63	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.14	132.19	469	6	447
Total	21.42	554.58			1127
REL					
1&2	12.49	335.80	523	518	500
Total	12.49	335.80			500
Cent Sect					
Share					7373
Total					7373
MS PG CL	Thermal	90.21	2645.68		3918
	Thml+Gas	99.78	2923.58		4343
	Hydro	23.47	571.15		1247
	Total	123.25	3494.72		5590
State Total		254.94	6816.70		18233

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Sep/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	3476	1716	415	5607	223	3726	0	5902	5948	-951	-925	14606	76	14682	2400	17082	49.90
2	3558	1680	415	5653	162	3801	0	5843	5739	-829	-826	14556	51	14607	2177	16784	49.82
3	3592	1655	415	5662	149	3833	0	5617	5420	-777	-775	14316	51	14367	2031	16398	49.85
4	3619	1491	415	5525	141	3798	0	5530	5545	-736	-742	14294	51	14345	1932	16277	49.94
5	3651	1245	415	5311	239	3804	0	5650	5891	-706	-616	14653	51	14704	1901	16605	49.88
6	3712	1221	415	5348	248	3815	5	5944	5993	-702	-614	14818	97	14915	1926	16841	49.88
7	3781	1186	410	5377	276	3828	42	6571	6670	-713	-703	15514	146	15660	1933	17593	50.02
8	3741	774	410	4925	228	3750	81	7163	7047	-776	-645	15409	146	15555	1951	17506	49.98
9	3779	535	421	4735	237	3793	102	7266	7717	-865	-640	15968	129	16097	2066	18163	49.92
10	3753	726	438	4917	237	3778	93	7513	7777	-1000	-826	16000	98	16098	2240	18338	49.92
11	3849	1016	430	5295	319	3765	141	7512	7792	-1126	-966	16369	103	16472	2370	18842	49.87
12	3959	891	422	5272	334	3762	83	7518	7887	-1163	-981	16382	171	16553	2411	18964	49.79
13	3850	896	426	5172	421	3746	69	7210	7594	-1154	-1005	16020	372	16392	2410	18802	49.80
14	3924	961	420	5305	293	3756	56	7137	7340	-1222	-1018	15758	564	16322	2366	18688	49.88
15	3794	1167	420	5381	287	3678	38	6997	7174	-1076	-958	15626	537	16163	2377	18540	49.84
16	3723	1126	417	5266	297	3607	22	6954	7124	-1033	-956	15385	442	15827	2395	18222	49.80
17	3701	1149	417	5267	352	3664	12	6696	6769	-1093	-974	15115	420	15535	2360	17895	49.89
18	3658	852	422	4932	255	3705	0	5871	5872	-1070	-944	13846	490	14336	2324	16660	49.87
19	3727	906	422	5055	134	3714	0	5985	6088	-1000	-858	14157	278	14435	2461	16896	49.86
20	3874	643	422	4939	141	3848	0	6846	6776	-1169	-1094	14633	390	15023	2613	17636	49.96
21	3941	110	368	4419	193	3977	0	6774	6885	-1170	-1151	14347	327	14674	2658	17332	49.93
22	3894	371	270	4535	207	3842	0	6328	6540	-1204	-1133	14015	191	14206	2635	16841	49.97
23	3824	412	270	4506	174	3884	0	6275	6409	-1218	-962	14036	104	14140	2612	16752	49.84
24	3834	742	271	4847	165	3863	0	6200	6571	-1169	-941	14530	97	14627	2611	17238	49.78
MUs	90.21	23.47	9.57	123.25	5.71	90.74	0.74	157.30	160.57	-23.92	-21.25	360.35	5.38	365.74	55.16	420.90	49.88

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/Sep/2014

Position as on 6.30 Hrs of 29/Sep/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-1	135	30/01/2014	12.45		Continued.	turbine vibration	
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	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Tata Trombay 6	500	11/09/2014	07.58		Continued.	Economic shutdown	
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 VIPL U-2	300	20/09/2014	20.51	28/09/2014	15.20	Loss of fuel.	
Khaparkheda Unit 4	210	23/09/2014	02.35	28/09/2014	05.16	Coal Shortage.	
Bhusawal Unit 4	500	25/09/2014	21.16		Continued.	Economizer Tube Leakage.	
Paras Unit 3	250	27/09/2014	13.26		Continued.	D.C.supply fail	
Paras Unit 4	250	27/09/2014	15.28	28/09/2014	00.38	station supply fail	
Chandrapur Unit 3	210	27/09/2014	17.43		Continued.	Drum level low	
Chandrapur Unit 6	500	27/09/2014	21.57		Continued.	BTL	
Koradi Unit 6	210	28/09/2014	09.45		Continued.	BLR T/L.	
Parli Unit 6	250	28/09/2014	14.24	28/09/2014	18.20	Generator Elect.Fault.	
Uran Unit 6	108	28/09/2014	20.50		Continued.	BLR Prot.	

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

Position as on 6.30 Hrs of 29/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
A bus @ khargher	27/09/2014	08.45		Continued.	BKR.CRM & Timing
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	27/09/2014	18.17	28/09/2014	08.30	over voltage
Kolhapur - Mapusa - I	28/09/2014	16.48		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	20/09/2014	21.23		Continued.	For attending gas leakage, taken on TBC.
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.
A Bus along with B.C.at Kharghar	28/09/2014	08.45	28/09/2014	14.09	BKR.CRM and Timing.
Bus Coupler @ Babaleshwar	28/09/2014	15.11	28/09/2014	17.41	Emergency outage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bus coupler at Kharghar	27/09/2014	08.45		Continued.	BKR.CRM & Timing
Nasik-Bablsr - II	28/09/2014	06.30	28/09/2014	10.19	R-Ph CT leakage.
Nerul-Kharghar	28/09/2014	08.16	28/09/2014	18.39	Maint.work.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan-Salsette - I	28/09/2014	06.17		Continued.	Replacement of TBC & line side gods at kalyan end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	27/09/2014	16.36	28/09/2014	08.45	over voltage
Khadka - Aurangabad	27/09/2014	22.04		Continued.	over voltage
Bhusawal- Aurangabad	27/09/2014	22.04	28/09/2014	06.26	over voltage
Karad - Kolhapur - I	28/09/2014	16.45	29/09/2014	06.41	Over Voltage.
Bhusawal- Aurangabad	28/09/2014	17.09	29/09/2014	06.29	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	27/09/2014	10.44		Continued.	To control line loading
220/132 KV 200 MVA ICT-I @ Parli - I	28/09/2014	15.18	28/09/2014	18.43	To control Bus sectionalizer current.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - New Koyana - I	28/09/2014	17.25	28/09/2014	20.31	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100KV 200 MVA ICT III at Borivali	21/09/2014	09.16		Continued.	Bus fault due to monkey.
Aurangabad - Bhenda	26/09/2014	07.10		Continued.	Bus bar prot.operated 220kv bhenda ckt B phase ct.burst
Bhosari-C'enka	29/09/2014	00.13		Continued.	Dist Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Telgaon - Majalgaon	28/09/2014	07.42	28/09/2014	07.48	O/C,E/F Optd,B-Ph.
Telgaon - Majalgaon	28/09/2014	08.52	28/09/2014	08.58	O/C,E/F Optd,B-Ph.

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

Position as on 6.30 Hrs of 29/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nanded - Tamsa	28/09/2014	09.15	28/09/2014	09.24	O/C,E/F Prot.
Girawali-Yedeshwari	28/09/2014	13.00	28/09/2014	13.13	Dist Prot.
Girawali-Yedeshwari	28/09/2014	14.15	28/09/2014	14.53	Dist Prot.
Girawali-Latur	28/09/2014	14.24	28/09/2014	14.53	Load trimming scheme optd,for 400KV Parli ICT's as Parli U-6.
Girwali - Latur MIDC	28/09/2014	14.24	28/09/2014	14.52	Load trimming scheme optd,for 400KV Parli ICT's as Parli U-6.
Girawali-Gangakhed	28/09/2014	14.24	28/09/2014	14.52	Load trimming scheme optd,for 400KV Parli ICT's as Parli U-6.
Parli I-Saikheda	28/09/2014	14.35	28/09/2014	18.05	Dist Prot.
Gangakhed-Saikheda	28/09/2014	14.35	28/09/2014	14.50	B/C,O/C B-Ph Optd.
Nanded - Kandhar	28/09/2014	14.46		Continued.	Dist.Prot.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Vashi - I	29/09/2014	00.12	29/09/2014	00.17	At Kalwa end only,FTR Optd.
Kalwa - Nocil - I	29/09/2014	00.12	29/09/2014	00.24	At Kalwa end only,FTR Optd.
Kalwa - Nocil - II	29/09/2014	00.12	29/09/2014	00.24	At Kalwa end only,FTR Optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	150
	620	150
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	0
Unit 5	500	450
	1420	580
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	190
Unit 7	250	220
	1130	570
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	210
Unit 5	500	300
Unit 6	500	0
Unit 7	500	400
	2340	1050
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	177
Unit 4	210	172
Unit 5	210	177
	630	526
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	155
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	1100
WARDHA	405	220
Adani	2640	1553
Other CPPs	300	968
	4545	3841
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	7449
	3455	7449