



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Oct/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.534	2924.813	1) Gujrat	4.190	179.236
2) Hydro	9.413	294.900	2) Madhya Pradesh	16.244	540.819
3) Gas	9.944	259.196	3) Chattisgarh	9.430	264.550
Total MSGENCO	119.891	3478.909	4) Maharashtra Net	98.733	3068.760
B) 1) JSW JAIGAD	24.403	714.267	(Incl. 765kV Solapur-Raichur)	-5.055	-162.501
2) WPCL	4.519	143.466	5) Goa	-5.856	-194.346
3) ADANI	37.710	1167.050	6) TAPS 1&2 Injection	3.630	135.223
4) Other CPP / IPP	17.378	434.151	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.958	147.587	8) Pench (Excess)	-1.067	-26.207
6) PENCH (MS)	1.067	26.207	# Total Cent. Sector	125.304	3968.035
7) SOLAR	0.809	26.303	F) Other Exchanges		
C) 1) TPCL Thermal	18.132	518.735	1) With TPCL (Excess)	-21.421	-677.348
2) TPCL Hydro	2.690	87.741	G) Bilateral Power *		
TOTAL TPCL	20.822	606.476	1) MSEDCL Bilateral	33.256	1450.354
3) REL Thermal	11.885	319.131	Include PX	1.685	596.465
D) STATE			2) MUMBAI Bilateral	21.880	646.343
1) Thermal (A1+C1+C3)	130.551	3762.679	Include PX	2.642	120.110
2) Hydro (A2+B6+C2)	13.170	408.848	3) MUMBAI Schedule	21.880	655.542
3) Gas (A3)	9.944	259.196	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.958	147.587	1) MSEDCL	312.618	9428.627
5) CPP/IPP (B1+B2+B3+B4)	84.010	2458.934	2) TPCL	33.111	996.376
6) SOLAR (B7)	0.809	26.303	3) REL	21.015	606.596
TOTAL STATE	241.442	7063.547	TOTAL STATE	366.744	11031.599

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	4440	4458	4441
MSGENCO Hydro	894	714	57
MSGENCO Gas	412	415	419
MSGENCO Total Generation	5746	5587	4917
Central Sector Receipt	6389	6107	3766
WIND	70	54	249
CPP / IPP	3677	3776	3063
SOLAR	115	110	0
Exchange with Mumbai	-1165	-1056	-504
MSEDCL DEMAND MET	14876	14622	11542
Load Shedding	66	74	57
MSEDCL DEMAND	14942	14696	11599
TPCL GENERATION	1063	1035	654
R-INFRA GENERATION	520	520	456
TPCL+R-INFRA DEMAND	2748	2611	1614
STATE DEMAND MET	17624	17233	13156
STATE DEMAND	17690	17307	13213
Frequency (Hz)	49.99	50.05	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 21.53 Hrs	49.66 Hz at 18.11 Hrs	49.96	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 27/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	3.54	80.48	160	135	140
Unit 7	2.26	83.85	155	0	135
Total	5.80	164.34			275
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.53	69.33	115	0	0
Unit 4	6.89	145.86	305	260	282
Unit 5	4.28	207.36	315	0	291
Total	11.69	422.55			573
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	0.61	22.22	146	0	0
Unit 6	4.25	121.56	230	156	175
Unit 7	4.74	121.35	250	167	175
Total	9.60	302.76			350
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	73.22	0	0	0
Unit 3	3.57	100.67	162	135	160
Unit 4	3.90	115.36	168	160	165
Unit 5	7.24	214.78	340	284	300
Unit 6	7.06	202.80	315	270	300
Unit 7	7.24	206.45	346	256	320
Total	29.02	913.28			1245
Paras					
Unit 3	4.58	118.11	223	168	220
Unit 4	4.51	116.35	225	170	180
Total	9.09	234.46			400
Khaparkheda					
Unit 1	3.91	99.12	175	140	170
Unit 2	3.41	77.24	170	120	170
Unit 3	2.20	87.68	190	0	170
Unit 4	4.43	99.33	210	171	170
Unit 5	9.24	240.85	510	357	360
Total	23.18	604.20			1040
Nasik					
Unit 3	4.14	111.72	200	165	160
Unit 4	4.05	81.37	194	160	160
Unit 5	3.96	90.14	184	155	160
Total	12.14	283.23			480
Uran					
All Units	9.94	259.20	422	401	445
Total	9.94	259.20			445
PENCH (MS)					
Pench (MS)	1.07	26.21	51	25	
Total	1.07	26.21			
Koyna					
Stage 1-2	3.34	92.63	420	40	530
Stage 4	1.22	104.50	495	0	250
Stage 3	1.06	43.06	160	0	240
Kovna 12&4 Total	4.56	197.12			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.63	240.18			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	1.03	16.04	61	0	61
TILLARI	0.44	3.90	64	0	64
BHTGR/VEER	0.03	0.11	2	1	0
BHIRA T.R.	0.12	6.13	77	0	40
RNGR+BHTSA	0.38	4.76	16	15	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.02	2.70	1	0	11
GHATGHAR	1.76	18.88	250	0	0
Total	3.79	54.72			176
Wind					
MalharPeth	0.12	4.10			
Vankuswadi	0.27	8.64			
ATIT	0.02	0.97			
Kale	0.08	2.98			
Satara	1.49	81.47			
Shirala	0.10	4.97			
K Mahankal	0.00	0.42			
Supa	0.02	2.15			
Vita	0.11	15.42			
Dondaicha	0.30	10.08			
Sakri	0.04	2.42			
Nandurbar	0.10	4.33			
Khandke	0.04	5.28			
Khaparale	0.29	4.37			
Total	2.96	147.59			
CPP					
JSW JAIGAD	24.40	714.27	1109	904	1008
WARDHA	4.52	143.47	214	165	205
Adani	37.71	1167.05	1680	1270	1698
Other CPPs	11.82	428.59			770
Total	78.45	2453.37			3681
SOLAR					
Total	0.81	26.30			
Total	0.81	26.30			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.79	299.82	499	231	500
Trombay 6	3.74	100.63	157	155	500
Trombay 7A	2.96	75.18	127	114	120
Trombay 7B	1.64	43.11	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.69	87.74	292	0	447
Total	20.82	606.48			1627
REL					
1&2	11.88	319.13	523	455	500
Total	11.88	319.13			500
Cent Sect					
Share					5441
Total					5441
MS PG CL	Thermal	100.53	2924.81		4363
	Thml+Gas	110.48	3184.01		4808
	Hydro	9.41	294.90		1196
	Total	119.89	3478.91		6004
State Total		241.44	7063.55		17253

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4437	61	420	4918	199	2934	0	3474	4182	-771	-774	11507	89	11596	1888	13484	49.99
2	4530	56	421	5007	198	2958	0	3855	4045	-729	-611	11647	57	11704	1734	13438	50.03
3	4523	57	422	5002	236	3006	0	3718	4032	-705	-615	11711	57	11768	1659	13427	50.01
4	4441	57	419	4917	249	3063	0	3833	3766	-686	-504	11542	57	11599	1614	13213	50.00
5	4432	62	418	4912	196	3082	0	3986	4000	-683	-481	11758	57	11815	1610	13425	49.97
6	4352	57	418	4827	160	3133	0	4470	4680	-719	-481	12366	66	12432	1671	14103	49.85
7	4429	253	418	5100	166	3233	0	4601	5028	-776	-552	13022	72	13094	1751	14845	49.88
8	4450	326	418	5194	161	3436	11	4671	4893	-843	-742	13002	72	13074	1895	14969	49.97
9	4435	171	422	5028	141	3517	57	4782	4995	-924	-1062	12722	68	12790	2188	14978	49.92
10	4321	432	419	5172	98	3611	87	5444	5536	-1030	-1248	13301	62	13363	2537	15900	49.92
11	4320	386	411	5117	87	3713	107	5722	5721	-1076	-1196	13594	62	13656	2727	16383	49.94
12	4440	894	412	5746	70	3677	115	5883	6389	-1095	-1165	14876	66	14942	2748	17690	49.99
13	4548	709	414	5671	74	3692	127	5796	6092	-1072	-1073	14627	131	14758	2722	17480	49.93
14	4458	714	415	5587	54	3776	110	6107	6107	-1037	-1056	14622	74	14696	2611	17307	50.05
15	4441	340	414	5195	49	3735	100	6411	6360	-1046	-1015	14469	67	14536	2607	17143	49.94
16	3824	595	414	4833	64	3759	52	5972	6523	-1101	-982	14296	62	14358	2599	16957	49.89
17	3760	706	414	4880	59	3634	36	5377	5809	-1106	-1036	13430	63	13493	2595	16088	49.87
18	3661	1171	413	5245	47	3706	7	5231	5021	-1024	-1049	13024	66	13090	2583	15673	49.92
19	3644	938	410	4992	50	3740	0	5815	5933	-1045	-1109	13646	63	13709	2632	16341	49.95
20	3736	604	410	4750	68	3800	0	6140	6012	-952	-1069	13601	66	13667	2615	16282	50.03
21	3795	343	406	4544	137	3812	0	5559	5602	-936	-981	13141	65	13206	2490	15696	49.94
22	3920	231	407	4558	96	3800	0	5111	5053	-907	-935	12597	65	12662	2352	15014	50.02
23	3842	130	408	4380	134	3656	0	5003	4719	-849	-861	12068	65	12133	2221	14354	49.97
24	3796	120	401	4317	165	3537	0	4735	4808	-767	-824	12052	65	12117	2079	14196	50.01
MUs	100.54	9.41	9.94	119.89	2.96	84.01	0.81	121.70	125.31	-21.88	-21.42	312.62	1.64	314.26	54.13	368.39	49.96

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 27/Oct/2014

Position as on 6.30 Hrs of 28/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	27/10/2014	16.45	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.	
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	
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.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Oct/2014

Position as on 6.30 Hrs of 28/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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-Mapusa-II	25/10/2014	13.14	27/10/2014	18.55	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/10/2014	20.55		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	27/10/2014	00.02	27/10/2014	06.01	over voltage
Akola - Aurangabad(PG)-II	27/10/2014	13.05	27/10/2014	18.31	Taking line reactor into service at Akola end,while taking L/R into service diff prot and bucholz relay optd for reactor line charched without line reactor.
Kolhapur - Mapusa - I	27/10/2014	22.54		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	23/10/2014	08.35	27/10/2014	08.53	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.
Parli Main BKR (403)at Lamboti	27/10/2014	12.01	27/10/2014	14.14	Attending SF6 Gas leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bus Coupler at Butibori	27/10/2014	10.00	27/10/2014	16.05	Tan delta measurement of CT.
Paras Ext. - Akola - II	27/10/2014	11.01	27/10/2014	17.38	Tan delta measurement of CT & Q.M.Work.
Kandalgaon - Pophali	27/10/2014	13.30	27/10/2014	15.25	LA Sparking at Pophali end.
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-Karad	26/10/2014	02.40	27/10/2014	08.49	Over Voltage.
Bhusawal- Aurangabad	26/10/2014	19.46	27/10/2014	06.20	over voltage
Padgha - Nagothane - I	27/10/2014	00.02	27/10/2014	08.30	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		Continued.	Over Voltage.
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		Continued.	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	0
	620	130
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	300
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	140
Unit 6	250	180
Unit 7	250	175
	1130	495
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	153
Unit 2	210	153
Unit 3	210	0
Unit 4	210	153
Unit 5	500	324
	1340	783
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	
	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	2
BHIRA T.R.	80	77
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	231
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	1050
WARDHA	405	230
Adani	2640	1698
Other CPPs	300	745
	4545	3723
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	6309
	3455	6309

	21940	17628
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