



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Oct/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.064	2824.279	1) Gujrat	-0.416	175.046
2) Hydro	5.319	285.487	2) Madhya Pradesh	13.320	524.575
3) Gas	8.254	249.252	3) Chattisgarh	8.160	255.120
Total MSGENCO	121.637	3359.018	4) Maharashtra Net	80.741	2970.027
B) 1) JSW JAIGAD	23.015	689.864	(Incl. 765kV Solapur-Raichur)	-4.572	-157.446
2) WPCL	4.014	138.947	5) Goa	-4.650	-188.490
3) ADANI	35.200	1129.340	6) TAPS 1&2 Injection	3.634	131.593
4) Other CPP / IPP	14.913	416.773	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.109	144.629	8) Pench (Excess)	-0.888	-25.140
6) PENCH (MS)	0.888	25.140	# Total Cent. Sector	99.901	3842.731
7) SOLAR	0.776	25.494	F) Other Exchanges		
C) 1) TPCL Thermal	13.900	500.603	1) With TPCL (Excess)	-17.565	-655.927
2) TPCL Hydro	2.223	85.051	G) Bilateral Power *		
TOTAL TPCL	16.123	585.654	1) MSEDCL Bilateral	33.664	1417.098
3) REL Thermal	10.914	307.246	Include PX	3.864	594.780
D) STATE			2) MUMBAI Bilateral	19.853	624.463
1) Thermal (A1+C1+C3)	132.878	3632.128	Include PX	3.511	117.467
2) Hydro (A2+B6+C2)	8.430	395.678	3) MUMBAI Schedule	19.853	633.662
3) Gas (A3)	8.254	249.252	H) ENERGY CATERED (MUs)		
4) Wind (B5)	10.109	144.629	1) MSEDCL	292.888	9116.009
5) CPP/IPP (B1+B2+B3+B4)	77.142	2374.924	2) TPCL	26.553	963.265
6) SOLAR (B7)	0.776	25.494	3) REL	18.049	585.581
TOTAL STATE	237.589	6822.105	TOTAL STATE	337.490	10664.855

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	4828	4825	4447
MSGENCO Hydro	117	102	327
MSGENCO Gas	377	368	290
MSGENCO Total Generation	5322	5295	5064
Central Sector Receipt	4915	4998	3117
WIND	370	281	577
CPP / IPP	3416	3470	2968
SOLAR	126	99	0
Exchange with Mumbai	-781	-747	-579
MSEDCL DEMAND MET	13403	13431	11181
Load Shedding	125	68	57
MSEDCL DEMAND	13528	13499	11238
TPCL GENERATION	678	678	566
R-INFRA GENERATION	458	451	462
TPCL+R-INFRA DEMAND	1917	1876	1607
STATE DEMAND MET	15320	15307	12788
STATE DEMAND	15445	15375	12845
Frequency (Hz)	49.95	50.08	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 14:04 Hrs	49.7 Hz at 11:21 Hrs	49.99	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 26/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	3.62	76.94	161	142	145
Unit 7	3.30	81.59	145	125	145
Total	6.92	158.53			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.14	68.80	150	120	116
Unit 4	7.43	138.97	325	290	263
Unit 5	7.28	203.08	320	290	291
Total	17.86	410.86			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	4.27	117.31	204	130	175
Unit 7	4.48	116.61	230	123	175
Total	8.74	293.16			350
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	73.22	0	0	0
Unit 3	3.49	97.10	161	126	160
Unit 4	3.88	111.46	164	159	165
Unit 5	7.55	207.54	360	280	300
Unit 6	7.34	195.73	360	285	300
Unit 7	7.55	199.20	355	289	300
Total	29.81	884.26			1225
Paras					
Unit 3	4.49	113.53	220	169	180
Unit 4	4.31	111.84	195	169	180
Total	8.80	225.37			360
Khaparkheda					
Unit 1	3.84	95.20	175	130	170
Unit 2	3.30	73.82	160	125	170
Unit 3	4.07	85.48	178	157	170
Unit 4	4.09	94.90	174	166	170
Unit 5	8.63	231.61	370	350	360
Total	23.94	581.02			1040
Nasik					
Unit 3	4.02	107.58	195	160	160
Unit 4	3.98	77.32	181	160	160
Unit 5	3.99	86.19	189	156	160
Total	11.99	271.09			480
Uran					
All Units	8.25	249.25	417	256	445
Total	8.25	249.25			445
PENCH (MS)					
Pench (MS)	0.89	25.14	43	33	0
Total	0.89	25.14			0
Koyna					
Stage 1-2	1.58	89.29	230	40	530
Stage 4	0.21	103.27	109	0	250
Stage 3	0.97	42.00	160	0	240
Kovna 12&4 Total	1.80	192.56			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.77	234.56			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	1.09	15.01	61	0	61
TILLARI	0.43	3.47	64	0	64
BHTGR/VEER	0.00	0.08	0	0	0
BHIRA T.R.	0.05	6.01	40	0	40
RNGR+BHTSA	0.00	4.38	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.03	2.68	2	1	11
GHATGHAR	0.94	17.12	125	0	0
Total	2.55	50.93			176
Wind					
MalharPeth	0.20	3.99			
Vankuswadi	0.52	8.37			
ATIT	0.05	0.94			
Kale	0.17	2.91			
Satara	5.28	79.98			
Shirala	0.30	4.87			
K Mahankal	0.02	0.41			
Supa	0.07	2.13			
Vita	1.03	15.31			
Dondaicha	0.90	9.78			
Sakri	0.51	2.38			
Nandurbar	0.06	4.23			
Khandke	0.32	5.24			
Khaparale	0.67	4.09			
Total	10.11	144.63			
CPP					
JSW JAIGAD	23.02	689.86	1017	902	1001
WARDHA	4.01	138.95	196	140	205
Adani	35.20	1129.34	1670	1270	1698
Other CPPs	14.91	416.77			745
Total	77.14	2374.92			3649
SOLAR					
Total	0.78	25.49			
Total	0.78	25.49			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	5.66	290.03	246	221	500
Trombay 6	3.73	96.88	156	154	500
Trombay 7A	2.90	72.22	127	114	120
Trombay 7B	1.62	41.47	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.22	85.05	291	6	447
Total	16.12	585.65			1627
REL					
1&2	10.91	307.25	462	451	500
Total	10.91	307.25			500
Cent Sect					
Share					5309
Total					5309
MS PG CL	Thermal	108.06	2824.28		4415
	Thml+Gas	116.32	3073.53		4860
	Hydro	5.32	285.49		1196
	Total	121.64	3359.02		6056
State Total		237.59	6822.10		17141

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	4436	113	296	4845	444	2979	0	3413	3505	-892	-795	11018	89	11107	1890	12997	49.96
2	4426	489	304	5219	435	2961	0	2949	3445	-773	-648	11445	57	11502	1748	13250	49.96
3	4443	412	296	5151	523	3002	0	3095	3273	-732	-645	11337	57	11394	1667	13061	50.02
4	4447	327	290	5064	577	2968	0	3278	3117	-713	-579	11181	57	11238	1607	12845	50.02
5	4402	327	284	5013	623	2986	0	3306	3329	-719	-558	11426	57	11483	1587	13070	49.98
6	4418	289	256	4963	644	2980	0	3998	3929	-742	-571	11985	65	12050	1636	13686	49.94
7	4438	147	285	4870	638	3014	0	4136	4498	-764	-570	12490	66	12556	1633	14189	49.98
8	4387	224	285	4896	693	3026	11	3834	4157	-798	-534	12289	66	12355	1641	13996	49.96
9	4395	239	282	4916	766	3161	37	3517	3603	-831	-584	11939	65	12004	1701	13705	49.93
10	4453	394	278	5125	649	3180	88	4100	3709	-866	-675	12116	64	12180	1797	13977	49.97
11	4508	211	300	5019	572	3272	110	4476	4323	-886	-749	12589	64	12653	1884	14537	49.94
12	4587	355	324	5266	455	3281	125	4521	4823	-836	-698	13294	65	13359	1914	15273	49.93
13	4828	117	377	5322	370	3416	126	4788	4915	-777	-781	13403	125	13528	1917	15445	49.95
14	4825	102	368	5295	281	3470	99	4829	4998	-780	-747	13431	68	13499	1876	15375	50.08
15	4818	112	382	5312	173	3426	89	4831	4677	-776	-704	13010	60	13070	1836	14906	50.03
16	4580	192	384	5156	181	3438	57	4557	5015	-796	-608	13276	60	13336	1820	15156	49.96
17	4522	194	385	5101	190	3420	30	4257	4113	-878	-690	12201	60	12261	1812	14073	50.01
18	4481	125	383	4989	230	3379	4	4301	4469	-874	-666	12440	61	12501	1901	14402	49.91
19	4516	247	414	5177	245	3387	0	4771	4858	-719	-799	12904	61	12965	2120	15085	50.00
20	4420	268	416	5104	306	3510	0	5229	4726	-767	-961	12718	65	12783	2195	14978	50.03
21	4456	165	416	5037	297	3391	0	5018	4709	-964	-998	12469	65	12534	2162	14696	50.00
22	4465	102	415	4982	263	3247	0	4201	4098	-986	-1017	11606	64	11670	2154	13824	50.05
23	4436	112	417	4965	310	3143	0	4159	3725	-1019	-1022	11158	64	11222	2086	13308	50.02
24	4377	56	417	4850	244	3105	0	4020	3887	-967	-966	11163	64	11227	2018	13245	50.05
MUs	108.06	5.32	8.25	121.64	10.11	77.14	0.78	99.58	99.90	-19.85	-17.56	292.89	1.59	294.48	44.60	339.08	49.99

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 26/Oct/2014

Position as on 6.30 Hrs of 27/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.	
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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Oct/2014

Position as on 6.30 Hrs of 27/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.
Lamboti - Solapur (PGCIL)	26/10/2014	12.05	26/10/2014	18.32	maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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.
Dhule-Sar'Sarovar - II	27/10/2014	00.02	27/10/2014	06.01	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		
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.
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
Padgha - Nagothane - I	27/10/2014	00.02		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.
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 27/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	135
	620	275
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	282
Unit 5	500	291
	1420	573
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	320
	2340	1245
Paras		
Unit 3	250	220
Unit 4	250	180
	500	400
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	
	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	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	1008
WARDHA	405	205
Adani	2640	1698
Other CPPs	300	770
	4545	3681
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	5441
	3455	5441

	21940	17253
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