



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Oct/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.153	2612.040	1) Gujrat	8.593	170.606
2) Hydro	4.202	275.839	2) Madhya Pradesh	15.000	495.319
3) Gas	7.341	237.048	3) Chattisgarh	8.600	238.540
Total MSGENCO	115.696	3124.927	4) Maharashtra Net	91.542	2803.540
B) 1) JSW JAIGAD	23.456	643.438	(Incl. 765kV Solapur-Raichur)	-5.291	-147.230
2) WPCL	4.029	131.057	5) Goa	-6.051	-177.768
3) ADANI	52.880	1056.550	6) TAPS 1&2 Injection	3.626	124.335
4) Other CPP / IPP	16.422	386.289	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.509	118.321	8) Pench (Excess)	-1.094	-23.260
6) PENCH (MS)	1.094	23.260	# Total Cent. Sector	120.216	3631.312
7) SOLAR	0.562	24.219	F) Other Exchanges		
C) 1) TPCL Thermal	16.832	470.487	1) With TPCL (Excess)	-24.231	-617.564
2) TPCL Hydro	1.145	81.967	G) Bilateral Power *		
TOTAL TPCL	17.977	552.454	1) MSEDCL Bilateral	34.349	1349.172
3) REL Thermal	11.297	285.098	Include PX	5.355	586.124
D) STATE			2) MUMBAI Bilateral	21.617	581.800
1) Thermal (A1+C1+C3)	132.282	3367.625	Include PX	1.611	111.090
2) Hydro (A2+B6+C2)	6.441	381.066	3) MUMBAI Schedule	21.737	590.999
3) Gas (A3)	7.341	237.048	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.509	118.321	1) MSEDCL	316.633	8521.809
5) CPP/IPP (B1+B2+B3+B4)	96.787	2217.334	2) TPCL	32.389	906.967
6) SOLAR (B7)	0.562	24.219	3) REL	21.113	548.168
TOTAL STATE	249.922	6345.613	TOTAL STATE	370.135	9976.944

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	4452	4719	4291
MSGENCO Hydro	360	58	57
MSGENCO Gas	334	338	310
MSGENCO Total Generation	5146	5115	4658
Central Sector Receipt	5475	5541	4799
WIND	424	365	183
CPP / IPP	4315	4123	4047
SOLAR	91	59	0
Exchange with Mumbai	-877	-911	-982
MSEDCL DEMAND MET	14621	14339	12752
Load Shedding	160	249	60
MSEDCL DEMAND	14781	14588	12812
TPCL GENERATION	910	865	653
R-INFRA GENERATION	519	454	457
TPCL+R-INFRA DEMAND	2306	2230	2092
STATE DEMAND MET	16927	16569	14844
STATE DEMAND	17087	16818	14904
Frequency (Hz)	49.94	49.95	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 18.01 Hrs	49.64 Hz at 17.42 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 24/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	3.49	69.81	160	133	145
Unit 7	3.24	75.05	150	115	135
Total	6.73	144.86			280
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.22	62.49	145	130	130
Unit 4	7.28	124.32	415	270	280
Unit 5	7.16	188.60	315	280	310
Total	17.66	375.40			720
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	4.32	108.61	210	170	175
Unit 7	4.48	107.61	233	175	175
Total	8.80	275.46			350
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	73.22	0	0	0
Unit 3	3.85	89.64	171	153	160
Unit 4	3.98	103.59	189	156	165
Unit 5	7.45	192.72	370	280	300
Unit 6	7.36	181.28	350	262	300
Unit 7	7.46	184.38	390	277	300
Total	30.10	824.82			1225
Paras					
Unit 3	4.44	104.60	220	173	180
Unit 4	4.41	103.14	210	172	180
Total	8.85	207.73			360
Khaparkheda					
Unit 1	3.64	87.58	165	120	170
Unit 2	3.66	66.96	160	140	170
Unit 3	0.00	81.01	0	0	0
Unit 4	3.90	86.72	168	148	170
Unit 5	8.82	214.27	460	340	360
Total	20.02	536.55			870
Nasik					
Unit 3	4.08	99.57	195	155	160
Unit 4	3.94	69.37	179	151	160
Unit 5	3.97	78.28	179	158	160
Total	11.98	247.22			480
Uran					
All Units	7.34	237.05	358	269	450
Total	7.34	237.05			450
PENCH (MS)					
Pench (MS)	1.09	23.26	50	33	
Total	1.09	23.26			
Koyna					
Stage 1-2	1.66	85.30	230	40	530
Stage 4	0.00	103.01	0	0	250
Stage 3	0.12	40.94	80	0	240
Kovna 12&4 Total	1.66	188.31			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.78	229.26			1020
Hydro					
KDPH	0.00	0.00	0	0	
VTRNA	0.56	13.02	61	0	61
TILLARI	0.38	2.64	64	0	64
BHTGR/VEER	0.00	0.08	0	0	
BHIRA T.R.	0.00	5.91	0	0	80
RNGR+BHTSA	0.38	4.38	16	15	
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.00	2.18	0	0	
SMLHY PTN	0.12	2.54	14	2	11
GHATGHAR	0.99	15.86	250	0	
Total	2.42	46.60			216
Wind					
MalharPeth	0.19	3.25			
Vankuswadi	0.43	6.41			
ATIT	0.04	0.74			
Kale	0.12	2.36			
Satara	4.25	66.14			
Shirala	0.22	3.90			
K Mahankal	0.02	0.36			
Supa	0.07	1.96			
Vita	0.70	12.70			
Dondaicha	0.00	7.51			
Sakri	0.00	1.65			
Nandurbar	0.12	3.94			
Khandke	0.16	4.62			
Khaparale	0.18	2.78			
Total	6.51	118.32			
CPP					
JSW JAIGAD	23.46	643.44	1069	903	1046
WARDHA	4.03	131.06	195	155	205
Adani	52.88	1056.55	2542	1700	2645
Other CPPs	16.42	386.29			745
Total	96.79	2217.33			4641
SOLAR					
Total	0.56	24.22			
Total	0.56	24.22			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.79	276.20	493	316	500
Trombay 6	3.72	89.43	156	154	500
Trombay 7A	2.75	66.57	115	114	120
Trombay 7B	1.57	38.28	66	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.14	81.97	150	0	447
Total	17.98	552.45			1627
REL					
1&2	11.30	285.10	520	450	500
Total	11.30	285.10			500
Cent Sect					
Share					5758
Total					5758
MS PG CL	Thermal	104.15	2612.04		4285
	Thml+Gas	111.49	2849.09		4735
	Hydro	4.20	275.84		1236
	Total	115.70	3124.93		5971
State Total		249.92	6345.61		18497

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4260	57	276	4593	216	4290	0	4810	4437	-997	-1150	12436	94	12530	2431	14961	49.92
2	4272	57	308	4637	170	4475	0	4636	4691	-858	-1108	12915	60	12975	2231	15206	49.93
3	4291	57	310	4658	183	4047	0	4501	4799	-739	-982	12752	60	12812	2092	14904	49.97
4	4262	62	312	4636	253	4206	0	4513	4770	-725	-888	13024	60	13084	1994	15078	49.96
5	4310	57	313	4680	289	4191	0	4764	5100	-732	-844	13463	60	13523	1949	15472	49.91
6	4291	57	312	4660	398	4179	0	5228	5473	-750	-877	13880	69	13949	1983	15932	49.96
7	4290	57	313	4660	500	4214	0	5083	5500	-752	-768	14155	72	14227	1982	16209	50.06
8	4299	67	315	4681	361	4275	14	4715	4406	-782	-646	13141	107	13248	1971	15219	49.99
9	4333	68	312	4713	306	4200	44	4766	4590	-841	-870	13031	115	13146	2056	15202	49.96
10	4290	220	330	4840	276	4237	86	4756	4817	-840	-962	13341	112	13453	2187	15640	49.95
11	4355	170	332	4857	276	4354	82	4942	5106	-981	-966	13756	91	13847	2288	16135	49.93
12	4452	360	334	5146	424	4315	91	5287	5475	-977	-877	14621	160	14781	2306	17087	49.94
13	4963	130	338	5431	394	4255	86	5656	5047	-973	-915	14347	299	14646	2280	16926	50.02
14	4719	58	338	5115	365	4123	59	5757	5541	-971	-911	14339	249	14588	2230	16818	49.95
15	4603	72	358	5033	296	3941	43	5659	5739	-966	-936	14163	204	14367	2251	16618	49.97
16	4374	119	334	4827	262	3841	42	5217	5556	-1004	-1057	13518	201	13719	2267	15986	50.01
17	4285	134	269	4688	319	3847	14	4873	4441	-990	-1098	12258	202	12460	2234	14694	50.03
18	4279	189	275	4743	229	3831	1	4245	4392	-895	-1042	12204	191	12395	2226	14621	49.90
19	4209	499	276	4984	169	3948	0	4887	5100	-1064	-1225	13026	74	13100	2424	15524	49.98
20	4178	526	275	4979	191	3671	0	5338	5383	-1034	-1274	12998	64	13062	2479	15541	49.98
21	4174	508	275	4957	135	3542	0	5123	5387	-975	-1268	12786	64	12850	2458	15308	49.95
22	4216	385	278	4879	133	3607	0	4840	4991	-955	-1214	12429	64	12493	2447	14940	49.99
23	4227	169	277	4673	199	3627	0	4871	4692	-1001	-1196	12028	64	12092	2387	14479	49.94
24	4221	124	281	4626	165	3571	0	4791	4781	-935	-1157	12020	64	12084	2352	14436	49.97
MUs	104.15	4.20	7.34	115.70	6.51	96.79	0.56	119.26	120.21	-21.74	-24.23	316.63	2.80	319.43	53.50	372.94	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 24/Oct/2014

Position as on 6.30 Hrs of 25/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 B0	120	23/10/2014	08.30	24/10/2014	14.33	Due to 220KV Uran 220/22 KV T/F-I Caught Fire.	
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	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 24/Oct/2014

Position as on 6.30 Hrs of 25/Oct/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
						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 24/Oct/2014

Position as on 6.30 Hrs of 25/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.
Dhule-Khandwa I	24/10/2014	11.25	24/10/2014	16.54	Work @ Khandwa End.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	22/10/2014	16.08	25/10/2014	09.03	Over Voltage.
Dhule-Sar'Sarovar - II	23/10/2014	22.23	24/10/2014	06.39	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.
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.
Dhule-Sar'Sarovar - II	24/10/2014	18.01	24/10/2014	06.42	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	24/10/2014	09.59	24/10/2014	10.43	Taken on TBC.
HVDC Pole-I	24/10/2014	14.02	24/10/2014	16.46	Grass Cutting Work.
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		
220/132 KV 200 MVA ICT-II @ Boiser	24/10/2014	09.30	24/10/2014	10.15	For Attending Hot Spot LV B Ph Bushing.
220/100 KV 200 MVA ICT - II @ Taloja	24/10/2014	11.38	24/10/2014	13.20	Taken on TBC for Attending Hot Spot on CB.
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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	22/10/2014	15.07		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	23/10/2014	15.52	24/10/2014	09.13	Over Voltage.
Lonikand-Karad	23/10/2014	16.07	24/10/2014	09.20	Over Voltage.
Bhusawal- Aurangabad	24/10/2014	00.01	24/10/2014	06.11	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.
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 : 400KV			Outage Type TRIPPED		
Deepnagar-Tapitatanda	24/10/2014	18.01	24/10/2014	23.11	Over Voltage.
Waluj-Tapitatanda	24/10/2014	18.01	24/10/2014	19.26	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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2014

Position as on 6.30 Hrs of 25/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30		Continued.	Caught Fire.
220/132KV 150 MVA ICT-I Boiser	24/10/2014	09.55	24/10/2014	11.28	MBA Received.
220/132KV, 200MVA ICT-1@Boiser	24/10/2014	09.55	24/10/2014	10.08	Back up Optd.
Pedambe -Nerale	24/10/2014	18.30	25/10/2014	02.05	B Ph LA Burst @ Nerale S/S.
Voltage Level : 132KV			Outage Type TRIPPED		
Boiser - Viraj	24/10/2014	09.55	24/10/2014	10.29	Due to Tripping of ICT.
Boiser - MIDC	24/10/2014	09.55	24/10/2014	10.08	Due to Tripping of ICT.
Boiser - Palghar - I	24/10/2014	09.55	24/10/2014	10.24	Due to Tripping of ICT.
Boiser - Palghar - II	24/10/2014	09.55	24/10/2014	10.08	Due to Tripping of ICT.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	125
	620	250
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	170
Unit 7	250	229
	1130	399
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	160
Unit 4	210	165
Unit 5	500	350
Unit 6	500	350
Unit 7	500	350
	2340	1375
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	160
Unit 4	210	160
Unit 5	210	160
	630	480
Uran		
All Units	852	0
	852	0
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	0
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	152
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	1099
WARDHA	405	204
Adani	2640	2130
Other CPPs	300	745
	4545	4178
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	5775
	3455	5775