



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Oct/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.652	2381.303	1) Gujrat	6.153	247.858
2) Hydro	12.237	296.230	2) Madhya Pradesh	20.232	426.398
3) Gas	14.557	263.618	3) Chattisgarh	11.020	220.290
Total MSGENCO	128.446	2941.151	4) Maharashtra	73.598	1585.724
B) 1) JSW JAIGAD	18.679	523.032	5) Goa	-5.968	-134.450
2) WPCL	5.631	166.325	6) TAPS 1&2 Injection	7.740	156.133
3) ADANI	40.950	813.260	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	4.713	225.321	8) Pench (Excess)	-0.619	-19.626
5) Wind Generation	6.909	162.858	# Total Cent. Sector	112.156	2482.327
6) PENCH (MS)	0.619	19.626	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.079	-524.384
1) TPCL Thermal	21.105	483.915	G) Bilateral Power *		
2) TPCL Hydro	5.651	95.720	1) MSEDCL Bilateral	25.920	546.866
TOTAL TPCL	26.756	579.635	Include PX	0.000	-13.407
3) REL Thermal	12.475	285.153	2) MUMBAI Bilateral	19.727	460.435
D) STATE			Include PX	5.859	124.238
1) Thermal (A1+C1+C3)	135.232	3150.371	3) MUMBAI Schedule	19.727	460.595
2) Hydro (A2+B5+C2)	18.507	411.576	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.557	263.618	1) MSEDCL	297.024	6809.516
4) Wind (B4)	6.909	162.858	2) TPCL	38.863	897.575
5) CPP (B1+B2+B3)	69.973	955.628	3) REL	21.445	491.569
TOTAL STATE	245.178	4944.051	TOTAL STATE	357.332	8198.660

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4415	4157	4038
MSGENCO Hydro	935	978	102
MSGENCO Gas	605	591	600
MSGENCO Total Generation	5955	5726	4740
Central Sector Receipt	4966	4938	4313
WIND	338	260	329
CPP / IPP	2972	2871	2906
Exchange with Mumbai	-1125	-1102	-627
MSEDCL DEMAND MET	13127	12746	11661
Load Shedding	578	454	101
MSEDCL DEMAND	13705	13200	11762
TPCL GENERATION	1356	1377	745
R-INFRA GENERATION	519	521	511
TPCL+R-INFRA DEMAND	3000	3000	1883
STATE DEMAND MET	16127	15746	13544
STATE DEMAND	16705	16200	13645
Frequency (Hz)	50.07	49.94	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 16.58 Hrs	49.44 Hz at 06.09 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 24/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	8.43	0	0	0
Unit 6	3.10	69.45	150	90	145
Unit 7	3.30	59.94	165	110	150
Total	6.41	137.82			295
Bhusawal					
Unit 2	1.06	31.20	130	0	140
Unit 3	3.32	64.56	155	130	140
Unit 4	5.52	118.49	260	195	215
Unit 5	0.00	91.34	0	0	0
Total	9.90	305.58			495
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.25	78.69	158	120	135
Unit 5	3.66	74.90	166	132	155
Unit 6	4.11	98.23	217	113	150
Unit 7	4.37	96.59	204	157	170
Total	15.38	348.41			610
Chandrapur					
Unit 1	3.03	70.48	139	108	140
Unit 2	0.00	55.27	0	0	0
Unit 3	3.86	66.26	183	120	180
Unit 4	4.37	79.26	192	173	190
Unit 5	0.00	0.00	0	0	0
Unit 6	9.10	191.94	445	275	420
Unit 7	9.55	179.36	443	335	350
Total	29.91	642.57			1280
Paras					
Unit 3	4.38	96.14	245	0	210
Unit 4	0.00	96.43	0	0	0
Total	4.38	192.57			210
Khaparkheda					
Unit 1	2.48	83.34	130	0	180
Unit 2	2.86	78.41	155	65	180
Unit 3	3.46	44.71	155	131	190
Unit 4	3.53	100.79	160	140	190
Unit 5	11.13	160.50	510	404	450
Total	23.44	467.75			1190
Nasik					
Unit 3	4.07	99.52	185	150	190
Unit 4	3.99	97.54	176	144	190
Unit 5	4.18	89.54	191	166	190
Total	12.24	286.60			570
Uran					
All Units	14.56	263.62	633	572	610
Total	14.56	263.62			610
PENCH (MS)					
Pench (MS)	0.62	19.63	53	0	
Total	0.62	19.63			
Koyna					
Stage 1-2	2.40	60.60	365	40	600
Stage 4	6.10	116.76	561	0	250
Stage 3	1.81	40.10	160	0	240
Kovna 12&4 Total	8.50	177.35			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.31	217.45			1090
Hydro					
KDPH	0.00	5.12	0	0	0
VTRNA	0.00	6.93	0	0	0
TILLARI	0.49	7.10	60	0	60
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.43	6.72	41	0	40
RNGR+BHTSA	0.26	9.02	14	0	15
BHANDARDRA	0.00	4.46	0	0	0
ELDARY	0.18	7.46	8	7	0
SMLHY PTN	0.28	12.86	12	11	8
GHATGHAR	0.30	17.04	125	0	0
Total	1.93	76.94			123
Wind					
MalharPeth	0.27	7.31			
Vankuswadi	0.57	12.72			
ATIT	0.11	1.75			
Kale	0.18	4.82			
Satara	3.02	52.08			
Shirala	0.20	5.19			
K Mahankal	0.02	1.32			
Supa	0.19	2.17			
Vita	0.71	25.21			
Dondaicha	0.73	31.25			
Sakri	0.15	4.95			
Nandurbar	0.04	2.90			
Khandke	0.44	5.22			
Khaparale	0.28	5.97			
Total	6.91	162.86			
CPP					
JSW JAIGAD	18.68	523.03	889	740	950
WARDHA	5.63	166.32	237	233	235
Adani	40.95	813.26	1760	1640	1851
Other CPPs	4.71	225.32			
Total	69.97	1727.94			3036
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.60	250.14	500	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.97	63.75	128	117	120
Trombay 7B	1.69	37.66	72	68	60
Trombay 8	5.84	132.36	252	183	250
TATA Hydro	5.65	95.72	456	0	447
Total	26.76	579.64			1377
REL					
1&2	12.48	285.15	524	487	500
Total	12.48	285.15			500
Cent Sect					
Share					5127
Total					5127

MS PG CL	Thermal	101.65	2381.30			4650
	Thml+Gas	116.21	2644.92			5260
	Hydro	12.24	296.23			1213
	Total	128.45	2941.15			6473
State Total		245.18	4944.05			16513

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/Oct/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4093	213	601	4907	418	2854	4709	4472	-847	-866	11785	101	11886	2203	14089	49.92
2	4081	71	600	4752	353	2871	4443	4444	-696	-814	11606	101	11707	1995	13702	49.89
3	4038	102	600	4740	329	2906	4320	4313	-594	-627	11661	101	11762	1883	13645	49.97
4	4136	71	600	4807	369	2888	4299	4303	-573	-538	11829	130	11959	1807	13766	50.07
5	4181	82	602	4865	360	2905	4299	4249	-573	-506	11873	139	12012	1772	13784	49.92
6	4281	171	622	5074	393	2890	4420	4368	-579	-563	12189	322	12511	1832	14343	49.83
7	4417	235	633	5285	427	2894	4467	4235	-591	-546	12329	729	13058	1936	14994	49.81
8	4445	541	633	5619	430	2805	4534	4304	-629	-604	12607	805	13412	2041	15453	49.99
9	4461	476	622	5559	399	2910	4646	4477	-714	-658	12740	669	13409	2310	15719	49.96
10	4441	673	620	5734	376	2913	4847	4860	-820	-803	13133	512	13645	2675	16320	50.00
11	4527	781	621	5929	372	2909	5034	5063	-940	-1038	13288	488	13776	2924	16700	50.05
12	4415	935	605	5955	338	2972	5175	4966	-996	-1125	13127	578	13705	3000	16705	50.07
13	4275	786	595	5656	331	2969	5168	5089	-983	-1132	12913	720	13633	2999	16632	49.98
14	4190	644	572	5406	249	2933	4977	5241	-930	-1074	12755	624	13379	2944	16323	50.02
15	4106	847	595	5548	220	2931	4968	5458	-944	-1072	13087	517	13604	2986	16590	49.92
16	4218	1091	591	5900	237	2911	4915	5160	-971	-1099	13162	439	13601	2993	16594	49.87
17	4157	978	591	5726	260	2871	4854	4938	-935	-1102	12746	454	13200	3000	16200	49.94
18	4163	417	592	5172	236	2921	4745	4356	-866	-1149	11589	518	12107	2916	15023	49.90
19	4173	768	592	5533	139	3031	4831	4678	-983	-1027	12401	425	12826	2905	15731	49.82
20	4278	710	605	5593	147	3028	5006	4462	-1019	-1032	12220	575	12795	2871	15666	50.03
21	4126	453	612	5191	141	2923	4949	4893	-937	-961	12208	406	12614	2762	15376	50.04
22	4152	344	617	5113	141	2923	4910	4640	-868	-949	11889	287	12176	2618	14794	50.03
23	4125	511	621	5257	132	2908	4782	4650	-854	-857	12116	138	12254	2520	14774	49.94
24	4173	337	615	5125	112	2907	4681	4537	-887	-937	11771	109	11880	2418	14298	50.07
MUs	101.65	12.24	14.56	128.45	6.91	69.97	113.98	112.16	-19.73	-21.08	297.02	9.89	306.91	60.31	367.22	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 24/Oct/2013

Position as on 6.30 Hrs of 25/Oct/2013

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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Koradi Unit 5	200	16/10/2013	10.47		Continued.	Bearing Tempe. High.	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Koyna Unit 11	80	22/10/2013	00.02		Continued.	Trash Track Work	29/10/2013
CPP INDIABULLS	270	22/10/2013	13.32		Continued.	Boiler Problem.	
Chandrapur Unit 2	210	23/10/2013	11.04		Continued.	Boiler Tube Leakage	
Paras Unit 4	250	23/10/2013	15.39		Continued.	Boiler Tube Leakage	
Paras Unit 3	250	23/10/2013	20.21	24/10/2013	01.42	Furnace Pressure High	
Bhusawal Unit 2	210	24/10/2013	01.42	24/10/2013	05.00	Turbine Tripped	
Bhusawal Unit 2	210	24/10/2013	12.37		Continued.	Boiler Tube Leakage	
Khaparkheda Unit 1	210	24/10/2013	20.32	24/10/2013	23.08	Furnace Pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2013

Position as on 6.30 Hrs of 25/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Solapur-Solapur(PGCIL)	23/10/2013	12.20	24/10/2013	05.58	Fixing of Vibration Damper
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Butibori MIDC - Vipl ckt - III (Gis Bay)	21/10/2013	15:07		Continued.	To Attend Oil Leakage from B Ph Bushing.
Butibori MIDC - Vipl ckt - IV (Gis Bay)	21/10/2013	15:07		Continued.	To Attend Oil Leakage from B Ph Bushing.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	23/10/2013	21.49	24/10/2013	10.24	Over Voltage
Dhule-Sar'Sarovar - I	23/10/2013	23.04		Continued.	Over Voltage
Kolhapur - Mapusa - I	24/10/2013	21.58		Continued.	Over Voltage
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR,B-pole stuck up existing BHEL BKR,to be repl by CGL make due to foundation mismatch.
Lonikand - Chakan	23/10/2013	09.18	24/10/2013	09.46	Replacement of CB(Line on TBC)
TBC @ Kharghar	23/10/2013	10.30		Continued.	Isolator work
400/220 KV 500 MVA ICT-I @ Jejuri	24/10/2013	06.26	24/10/2013	10.43	Isolator Problem
Deepnagar-Aurangabad-II	24/10/2013	07.55		Continued.	Tower Erection work
400/220 KV 500 MVA ICT - II at Khaparkheda	24/10/2013	09.05	24/10/2013	18.44	Commissioning and Testing of New CT
400/220 KV 315 MVA ICT-I @ Nagothane	24/10/2013	10.04	24/10/2013	18.22	Bay Maint.
Main Bus - I @ Chakan	24/10/2013	10.52	24/10/2013	17.40	Testing work
HVDC AC Bay- I @ Padgha	24/10/2013	11.48		Continued.	Brekaer Oil Leakage
Jejuri-Koyna STG-IV	24/10/2013	14.34	24/10/2013	17.39	Maint.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Pophali - Panama	24/10/2013	09.50	24/10/2013	18.55	Replacement of Earth Wire
Pedambe-Newkoyna	24/10/2013	10.30	24/10/2013	17.19	Hot Spot and replacement of damaged Jumper
Main Bus Section-II at Bhosari	24/10/2013	11.35	24/10/2013	18.34	Replacement of Isolator
Bhosari - Bhosari - II	24/10/2013	11.35	24/10/2013	22.06	Bus-II Outage
Bhosari - Chakan	24/10/2013	11.35	24/10/2013	22.06	Bus-II Outage at Bhosari

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2013

Position as on 6.30 Hrs of 25/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand - Parli - I	24/10/2013	06.49	24/10/2013	09.05	Taken on TBC to attend Hot Spot at Lonikand end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Chandrapur - Parli - II	12/10/2013	17.43		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/10/2013	22.10	24/10/2013	07.48	Over Voltage
Bhusawal- Aurangabad	24/10/2013	23.13		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Jambhul - Anandnagar	21/10/2013	22:35		Continued.	B Ph Wave Trap Jumper open.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Lonikand -I	24/10/2013	06.32	24/10/2013	06.49	Tripped at Parli end only
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Khaparkheda-Kawlewada-II	23/10/2013	02.28	24/10/2013	15.09	Distance Protection
Kalwa-Trombay	24/10/2013	15.10	24/10/2013	16.57	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	140
	620	240
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	215
Unit 5	500	0
	1420	355
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	158
Unit 6	250	175
Unit 7	250	165
	1130	643
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	150
Unit 4	210	170
Unit 5	500	0
Unit 6	500	400
Unit 7	500	425
	2340	1285
Paras		
Unit 3	250	230
Unit 4	250	0
	500	230
Khaparkheda		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	150
Unit 4	210	160
Unit 5	500	425
	1340	1035
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	610
	852	610
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	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	10
SMLHY PTN	12	12
GHATGHAR	250	0
	611	122
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	950
WARDHA	405	245
Adani	1320	1851
Other CPPs	300	
	3225	3046
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5095
	3455	5095