



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Oct/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.740	2388.223	1) Gujrat	11.428	272.270
2) Hydro	14.674	233.500	2) Madhya Pradesh	18.788	426.254
3) Gas	7.371	221.118	3) Chattisgarh	13.100	283.722
Total MSGENCO	126.785	2842.841	4) Maharashtra	75.800	1409.348
B) 1) JSW JAIGAD	27.629	620.071	5) Goa	-6.304	-137.920
2) WPCL	5.801	193.681	6) TAPS 1&2 Injection	4.022	102.285
3) ADANI	9.560	189.470	7) RGPPL Injection	14.703	331.924
4) Other CPP / IPP	7.978	155.091	8) Pench (Excess)	-0.753	-16.996
5) Wind Generation	7.094	100.543	# Total Cent. Sector	130.784	2670.887
6) PENCH (MS)	0.753	16.996	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.144	-272.772
1) TPCL Thermal	29.572	656.049	G) Bilateral Power *		
2) TPCL Hydro	4.514	92.308	1) MSEDCL Bilateral	48.148	1042.459
TOTAL TPCL	34.086	748.357	Include PX	3.145	54.063
3) REL Thermal	12.589	288.032	2) MUMBAI Bilateral	14.115	315.388
D) STATE			Include PX	4.675	60.255
1) Thermal (A1+C1+C3)	146.901	3332.304	3) MUMBAI Schedule	14.115	315.388
2) Hydro (A2+B5+C2)	19.941	342.804	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.371	221.118	1) MSEDCL	303.240	6516.808
4) Wind (B4)	7.094	100.543	2) TPCL	40.381	876.942
5) CPP (B1+B2+B3)	50.968	978.403	3) REL	19.437	432.198
TOTAL STATE	232.275	4975.172	TOTAL STATE	363.058	7825.948

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4477	4358	4388
MSGENCO Hydro	1214	869	95
MSGENCO Gas	294	295	313
MSGENCO Total Generation	5985	5522	4796
Central Sector Receipt	5812	5585	4722
WIND	456	159	407
CPP / IPP	2200	2176	2011
Exchange with Mumbai	-806	-708	-321
MSEDCL DEMAND MET	13647	12734	11667
Load Shedding	820	450	61
MSEDCL DEMAND	14467	13184	11728
TPCL GENERATION	1667	1721	955
R-INFRA GENERATION	525	522	526
TPCL+R-INFRA DEMAND	2998	2951	1802
STATE DEMAND MET	16645	15685	13469
STATE DEMAND	17465	16135	13530
Frequency (Hz)	50.00	49.99	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 15:03 Hrs	49.62 Hz at 05:52 Hrs	50.05	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 23/Oct/2012

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	3.18	68.91	147	117	130
Unit 7	3.14	49.52	155	100	150
Total	6.33	118.43			280
Bhusawal					
Unit 2	0.00	50.78	0	0	0
Unit 3	3.70	75.60	175	135	140
Unit 4	3.99	89.57	330	0	0
Unit 5	0.00	0.00	0	0	0
Total	7.69	215.95			140
Parli					
Unit 3	3.12	72.26	149	117	130
Unit 4	3.34	61.95	152	120	125
Unit 5	0.00	0.00	0	0	0
Unit 6	3.65	97.63	170	127	150
Unit 7	0.00	83.90	0	0	0
Total	10.10	315.74			405
Chandrapur					
Unit 1	3.50	76.45	152	135	160
Unit 2	3.51	75.89	159	122	160
Unit 3	4.62	89.87	203	159	190
Unit 4	4.48	74.65	195	154	190
Unit 5	8.84	143.22	395	330	375
Unit 6	0.17	197.99	170	0	0
Unit 7	9.86	185.61	453	337	425
Total	34.98	843.69			1500
Paras					
Unit 3	5.00	101.89	229	184	230
Unit 4	5.30	86.72	238	195	230
Total	10.30	188.61			460
Khaparkheda					
Unit 1	3.46	74.68	170	115	100
Unit 2	2.88	70.00	157	55	150
Unit 3	4.23	89.07	188	160	185
Unit 4	4.22	87.68	194	164	190
Unit 5	7.50	131.40	327	298	350
Total	22.28	452.83			975
Nasik					
Unit 3	4.48	97.06	200	170	200
Unit 4	4.12	62.77	186	150	180
Unit 5	4.46	93.14	199	169	180
Total	13.06	252.97			560
Uran					
All Units	7.37	221.12	322	291	300
Total	7.37	221.12			300
PENCH (MS)					
Pench (MS)	0.75	17.00	52	0	0
Total	0.75	17.00			0
Koyna					
Stage 1-2	4.15	74.06	465	40	600
Stage 4	5.69	74.12	757	0	250
Stage 3	2.12	33.67	258	0	320
Kovna 12&4 Total	9.84	148.17			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.96	181.84			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.18	4.66	59	0	0
BHTGR/VEER	0.12	3.19	6	5	5
BHIRA T.R.	0.22	5.73	81	0	80
RNGR+BHTSA	0.35	7.28	15	14	13
BHANDARDRA	0.73	5.72	31	30	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	11.82	13	4	10
GHATGHAR	0.96	12.84	125	0	0
Total	2.71	51.66			138
Wind					
MalharPeth	0.56	6.58			
Vankuswadi	1.03	11.01			
ATIT	0.07	2.68			
Kale	0.40	3.74			
Satara	1.83	16.13			
Shirala	0.37	4.04			
K Mahankal	0.02	9.41			
Supa	0.05	1.52			
Vita	0.89	20.42			
Dondaicha	1.03	14.20			
Sakri	0.19	2.00			
Nandurbar	0.05	1.37			
Khandke	0.16	4.15			
Khaparale	0.43	3.30			
Total	7.09	100.54			
CPP					
JSW JAIGAD	27.63	620.07	1207	1042	1100
WARDHA	5.80	193.68	246	239	240
Adani	9.56	189.47	410	380	
Other CPPs	7.98	155.09			
Total	50.97	1158.31			1340
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.82	258.94	505	379	500
Trombay 6	8.04	167.97	497	156	500
Trombay 7A	2.92	63.54	126	117	120
Trombay 7B	1.64	36.48	70	68	60
Trombay 8	5.15	129.11	253	177	180
TATA Hydro	4.51	92.31	306	0	318
Total	34.09	748.36			1678
REL					
1&2	12.59	288.03	527	522	500
Total	12.59	288.03			500
Cent Sect					
Share					5549
Total					5549

MS PG CL	Thermal	104.74	2388.22			4320
	Thml+Gas	112.11	2609.34			4620
	Hydro	14.67	233.50			1308
	Total	126.78	2842.84			5928
State Total		232.28	4975.17			14995

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Oct/2012

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	4513	101	322	4936	433	2096	4905	4886	-547	-521	11877	20	11897	2208	14105	49.98
2	4410	95	322	4827	393	2007	4786	4953	-426	-416	11811	41	11852	1998	13850	49.97
3	4431	110	322	4863	357	2007	4697	4788	-371	-329	11736	58	11794	1880	13674	50.00
4	4388	95	313	4796	407	2011	4687	4722	-363	-321	11667	61	11728	1802	13530	50.00
5	4377	122	312	4811	380	2026	4686	5093	-363	-324	12038	66	12104	1792	13896	49.92
6	4424	249	312	4985	364	2140	5102	5231	-364	-319	12453	103	12556	1852	14408	49.92
7	4429	270	312	5011	329	2181	5089	5382	-361	-356	12599	683	13282	1919	15201	49.95
8	4615	329	312	5256	339	2186	5131	5462	-399	-326	12969	776	13745	2039	15784	49.90
9	4604	704	312	5620	278	2182	5068	5061	-451	-371	12803	797	13600	2310	15910	50.02
10	4475	827	296	5598	359	2165	5545	5501	-533	-514	13109	674	13783	2666	16449	50.02
11	4453	1241	297	5991	491	2174	5652	5760	-731	-742	13674	662	14336	2921	17257	49.89
12	4477	1214	294	5985	456	2200	5684	5812	-807	-806	13647	820	14467	2998	17465	50.00
13	4470	1089	294	5853	465	2186	5764	5785	-770	-789	13500	900	14400	2997	17397	50.03
14	4432	906	291	5629	399	2182	5679	5904	-681	-685	13429	749	14178	2945	17123	50.07
15	4446	1045	291	5782	336	2186	5624	5911	-728	-732	13483	628	14111	2997	17108	50.13
16	4390	1170	293	5853	228	2171	5529	5810	-764	-751	13311	508	13819	2994	16813	50.18
17	4358	869	295	5522	159	2176	5535	5585	-738	-708	12734	450	13184	2951	16135	49.99
18	4195	574	299	5068	161	2177	5266	5365	-677	-636	12168	324	12492	2884	15376	50.12
19	4221	1407	304	5932	155	2170	5358	5529	-713	-668	13166	25	13191	2928	16119	50.15
20	4096	1251	318	5665	156	2123	5524	5737	-735	-635	13094	19	13113	2893	16006	50.25
21	4170	333	315	4818	144	2150	5466	5739	-637	-588	12310	19	12329	2706	15035	50.16
22	4145	229	315	4689	123	2058	5474	5625	-641	-538	12004	19	12023	2495	14518	50.20
23	4128	240	315	4683	104	2004	5209	5519	-664	-564	11793	15	11808	2357	14165	50.11
24	4093	204	315	4612	78	2010	5272	5624	-651	-505	11865	6	11871	2287	14158	50.15
MUs	104.74	14.67	7.37	126.78	7.09	50.97	126.73	130.78	-14.12	-13.14	303.24	8.42	311.66	59.82	371.48	50.05

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 23/Oct/2012

Position as on 6.30 Hrs of 24/Oct/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	29/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Dabhol 2X	290	02/10/2012	07.15		Continued.	Gas Shortage.	
Dabhol 2A	230	02/10/2012	07.16		Continued.	Gas Shortage.	
Dabhol 1A	230	05/10/2012	15.00		Continued.	Gas Shortage.	
Uran Unit 8	108	07/10/2012	10.43		Continued.	Gas Shortage.	
Dabhol 1X	290	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
CPP WPCL U-3	135	22/10/2012	08.53	24/10/2012	16.22	Withdrawn.	
Uran Unit 7	108	22/10/2012	15.21	24/10/2012	21.07	Gas Shortage	
Uran Unit B0	120	22/10/2012	15.24		Continued.	Gas Shortage	
Bhusawal Unit 4	500	22/10/2012	16.24	23/10/2012	00.04	UAT Tripped.	
Chandrapur Unit 6	500	23/10/2012	00.38	24/10/2012	10.48	Boiler Tube Leakage.	
Bhusawal Unit 4	500	23/10/2012	16.54	24/10/2012	12.23	BLR Feed Pump Oil Leakage.	
Khaparkheda Unit 2	210	24/10/2012	07.45		Continued.	BLR T/L.	
Koradi Unit 6	210	24/10/2012	11.38		Continued.	Furnace draft high.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Oct/2012

Position as on 6.30 Hrs of 24/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Kolhapur - Mapusa - I	20/10/2012	16.16		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	22/10/2012	22.43		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	24/10/2012	17.03	24/10/2012	20.54	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - II	24/10/2012	17.05	24/10/2012	17.56	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	24/10/2012	17.12	24/10/2012	18.32	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	24/10/2012	17.09	24/10/2012	17.38	Tripped on backup over current.
Halkarni-Mahalaxmi	24/10/2012	17.09	24/10/2012	17.48	Distance protection,B ph.to earth.
Mahalakshimi-Amona-I	24/10/2012	17.09	24/10/2012	17.48	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Salshet - III	15/10/2012	09.11		Continued.	Replace Main Breaker,Taken on TBC,For 15 Days.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthing work
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthing work
220/100KV 200MVA ICT-II at Kalwa	22/10/2012	09.30	23/10/2012	17.10	To Attend Heavy Oil Leakage.
Wardha Power - Warora - II	23/10/2012	06.00	24/10/2012	03.49	Metering and Protection CT Repl.work.
Butibori - Sun Vijay	23/10/2012	08.53	23/10/2012	17.23	Tan delta measurement and R.M.Work.
Pophali - Pedambe - II	23/10/2012	09.00	23/10/2012	12.25	Red hot.
Apta - Tambati	23/10/2012	09.03	23/10/2012	19.46	Repl.of conductor.
TBC I At Wani	23/10/2012	10.00	23/10/2012	12.15	Q.M.Work.
Main Bus - II @ Khaparkheda	23/10/2012	10.45	23/10/2012	17.40	Maintenance of all Bus II isolators and PT's.
Karad-Kadegaon	23/10/2012	13.05	23/10/2012	16.39	Repl.of cross arm.
Vankushwadi - MIDC Satara - I	23/10/2012	13.15	23/10/2012	13.45	Distance relay testing and trip test.
TBC II At Wani	23/10/2012	14.00	23/10/2012	16.00	Q.M.Work.
Vankuswadi - MIDC Satara- II	23/10/2012	14.30	23/10/2012	15.05	Distance relay testing and trip test.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Deepnagar-Aurangabad-I	21/10/2012	02.45		Continued.	Due to Carrier Failed.
Karad - Kolhapur - II	21/10/2012	21.09		Continued.	Over Voltage.
Khadka - Deepnagar - II	22/10/2012	21.51		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Oct/2012

Position as on 6.30 Hrs of 24/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	23/10/2012	20.02		Continued.	Over Voltage.
Karad-Jaigad I	24/10/2012	17.36		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
Karad - Kolhapur - I	24/10/2012	16.32	24/10/2012	18.08	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nagothane - ACCIL	23/10/2012	11.14	23/10/2012	17.30	Distance Protection.
Kandalgaon - ONGC	23/10/2012	15.18	23/10/2012	15.33	Distance Protection.
Padghe - Nashik - II	24/10/2012	12.02	24/10/2012	12.09	Distance protection.
Karad-Oglewadi-I	24/10/2012	17.08	24/10/2012	17.38	Over Voltage.
Karad - Ogalewadi - II	24/10/2012	17.08	24/10/2012	17.28	Over Voltage.
Halkarni -Tillary	24/10/2012	17.09	24/10/2012	17.38	Tripped on backup over current, master trip relay operated.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.
Tiwsa-Talegaon Ckt.	24/10/2012	10.52		Continued.	B-Ph CT Burst.
Hingoli-Kurunda	24/10/2012	22.24	24/10/2012	22.40	R-Ph E/F.
Kurunda-Akhada Balapur Ckt.	24/10/2012	22.24	24/10/2012	22.40	R-Ph E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	110
	620	235
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	150
Parli		
Unit 3	210	140
Unit 4	210	112
Unit 5	210	0
Unit 6	250	110
Unit 7	250	0
	1130	362
Chandrapur		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	190
Unit 4	210	190
Unit 5	500	400
Unit 6	500	0
Unit 7	500	425
	2340	1475
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	940
Nasik		
Unit 3	210	200
Unit 4	210	180
Unit 5	210	180
	630	560
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	137
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	600	1095
WARDHA	405	425
Adani	660	
Other CPPs	0	
	1665	1520
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5330
	3455	5330