



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Oct/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.499	385.948	1) Gujrat	8.461	42.879
2) Hydro	6.722	26.609	2) Madhya Pradesh	18.776	71.580
3) Gas	9.406	31.510	3) Chattisgarh	12.020	46.620
Total MSGENCO	105.627	444.067	4) Maharashtra	59.910	222.578
B) 1) JSW JAIGAD	21.346	101.589	5) Goa	-6.160	-22.972
2) WPCL	10.098	39.015	6) TAPS 1&2 Injection	4.387	17.592
3) ADANI	9.720	43.150	7) RGPPL Injection	15.115	53.864
4) Other CPP / IPP	6.241	21.416	8) Pench (Excess)	-0.842	-2.559
5) Wind Generation	7.571	18.224	# Total Cent. Sector	111.667	429.582
6) PENCH (MS)	0.842	2.559	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.646	-51.272
1) TPCL Thermal	29.089	112.173	G) Bilateral Power *		
2) TPCL Hydro	4.366	16.880	1) MSEDCL Bilateral	39.542	179.692
TOTAL TPCL	33.455	129.053	Include PX	1.772	9.056
3) REL Thermal	12.591	49.869	2) MUMBAI Bilateral	15.847	57.272
D) STATE			Include PX	5.998	14.590
1) Thermal (A1+C1+C3)	131.179	547.990	3) MUMBAI Schedule	15.847	57.272
2) Hydro (A2+B5+C2)	11.930	46.048	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.406	31.510	1) MSEDCL	260.466	1048.330
4) Wind (B4)	7.571	18.224	2) TPCL	39.884	154.599
5) CPP (B1+B2+B3)	47.405	171.740	3) REL	18.807	75.584
TOTAL STATE	207.491	815.512	TOTAL STATE	319.157	1278.513

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3836	3797	3649
MSGENCO Hydro	162	684	64
MSGENCO Gas	434	468	310
MSGENCO Total Generation	4432	4949	4023
Central Sector Receipt	5141	4910	3933
WIND	228	353	345
CPP / IPP	2064	2025	2025
Exchange with Mumbai	-835	-622	-285
MSEDCL DEMAND MET	11056	11662	10090
Load Shedding	577	528	105
MSEDCL DEMAND	11633	12190	10195
TPCL GENERATION	1620	1667	992
R-INFRA GENERATION	523	523	526
TPCL+R-INFRA DEMAND	2978	2812	1803
STATE DEMAND MET	14034	14474	11893
STATE DEMAND	14611	15002	11998
Frequency (Hz)	49.99	50.10	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 12.01 Hrs	49.53 Hz at 22.15 Hrs	49.97	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 04/Oct/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5		0.00	0	0	0
Unit 6	1.83	8.88	110	40	60
Unit 7	0.33	6.85	40	0	55
Total	2.16	15.73			115
Bhusawal					
Unit 2	0.57	3.45	115	0	0
Unit 3	3.05	13.27	135	110	150
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Total	3.62	16.72			150
Parli					
Unit 3	3.25	12.52	153	106	132
Unit 4	3.67	14.06	169	109	150
Unit 5	0.00	0.00	0	0	0
Unit 6	3.61	15.17	178	103	180
Unit 7	4.06	16.16	185	155	160
Total	14.59	57.91			622
Chandrapur					
Unit 1	2.06	11.43	106	69	80
Unit 2	1.80	10.54	117	51	70
Unit 3	1.65	11.00	100	45	60
Unit 4	1.65	10.69	104	47	70
Unit 5	6.72	27.07	320	235	250
Unit 6	8.20	31.95	420	248	250
Unit 7	6.15	29.28	368	210	250
Total	28.23	131.96			1030
Paras					
Unit 3	3.79	17.12	185	115	170
Unit 4	3.77	16.91	190	139	160
Total	7.56	34.03			330
Khaparkheda					
Unit 1	3.48	10.69	165	120	150
Unit 2	3.45	14.06	160	110	150
Unit 3	3.88	15.48	169	143	160
Unit 4	3.83	15.03	172	134	160
Unit 5	7.21	27.32	353	242	300
Total	21.84	82.59			920
Nasik					
Unit 3	4.24	17.05	190	150	190
Unit 4	3.14	14.81	185	0	180
Unit 5	4.10	15.14	186	158	180
Total	11.49	47.01			550
Uran					
All Units	9.41	31.51	468	300	280
Total	9.41	31.51			280
PENCH (MS)					
Pench (MS)	0.84	2.56	51	0	
Total	0.84	2.56			
Koyna					
Stage 1-2	2.94	9.24	460	45	600
Stage 4	1.10	4.55	364	0	250
Stage 3	0.99	3.22	244	0	320
Kovna 12&4 Total	4.05	13.79			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.04	17.01			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.47	1.84	60	0	60
BHTGR/VEER	0.14	0.61	6	5	7
BHIRA T.R.	0.33	1.10	80	0	80
RNGR+BHTSA	0.16	0.83	15	0	0
BHANDARDRA	0.10	1.13	24	0	22
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.26	1.56	19	8	8
GHATGHAR	0.22	2.35	120	0	0
Total	1.68	9.60			177
Wind					
MalharPeth	0.24	0.70			
Vankuswadi	0.31	0.98			
ATIT	0.06	0.14			
Kale	0.14	0.38			
Satara	1.67	2.68			
Shirala	0.18	0.43			
K Mahankal	0.05	1.15			
Supa	0.04	0.20			
Vita	1.95	4.05			
Dondaicha	2.20	5.51			
Sakri	0.30	0.53			
Nandurbar	0.27	0.61			
Khandke	0.06	0.39			
Khaparale	0.09	0.46			
Total	7.57	18.22			
CPP					
JSW JAIGAD	21.35	101.59	917	842	825
WARDHA	10.10	39.02	462	394	435
Adani	9.72	43.15	490	0	
Other CPPs	6.24	21.42			
Total	47.40	205.17			1260
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.44	43.98	503	341	500
Trombay 6	7.03	28.21	418	154	500
Trombay 7A	2.96	10.15	125	122	120
Trombay 7B	1.63	6.04	69	68	60
Trombay 8	6.03	23.80	255	248	250
TATA Hydro	4.37	16.88	306	0	318
Total	33.46	129.05			1748
REL					
1&2	12.59	49.87	527	523	500
Total	12.59	49.87			500
Cent Sect					
Share					4957
Total					4957

MS PG CL	Thermal	89.50	385.95			3717
	Thml+Gas	98.90	417.46			3997
	Hydro	6.72	26.61			1347
	Total	105.63	444.07			5344
State Total		207.49	815.51			13809

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	3594	68	300	3962	360	2035	4204	4366	-542	-371	10401	97	10498	2054	12552	49.89
2	3555	123	309	3987	341	2035	4157	4172	-429	-302	10282	106	10388	1886	12274	49.86
3	3649	64	310	4023	345	2025	4106	3933	-385	-285	10090	105	10195	1803	11998	50.00
4	3595	59	310	3964	282	2020	4083	4124	-373	-281	10158	112	10270	1749	12019	49.90
5	3627	69	309	4005	260	2045	4092	4345	-368	-262	10443	101	10544	1731	12275	50.00
6	3694	224	311	4229	266	2038	4188	4283	-374	-274	10592	236	10828	1817	12645	49.87
7	3735	240	309	4284	259	2053	4187	4184	-392	-280	10550	673	11223	1914	13137	49.89
8	3733	208	310	4251	292	2035	4239	4386	-439	-338	10673	675	11348	2071	13419	49.92
9	3812	234	310	4356	359	2048	4417	4571	-496	-383	10979	681	11660	2355	14015	49.91
10	3720	230	330	4280	301	2068	4671	4848	-605	-527	10996	526	11522	2702	14224	50.00
11	3828	153	322	4303	261	2045	5331	5272	-874	-726	11181	439	11620	2912	14532	50.01
12	3836	162	434	4432	228	2064	5453	5141	-981	-835	11056	577	11633	2978	14611	49.99
13	3879	114	457	4450	266	2067	5422	4986	-953	-837	10935	347	11282	2968	14250	50.09
14	3706	79	458	4243	256	1974	5338	5123	-874	-730	10866	233	11099	2859	13958	50.05
15	3692	75	456	4223	365	2022	4827	5077	-893	-757	10930	238	11168	2888	14056	49.93
16	3708	100	456	4264	413	2005	4636	4702	-943	-758	10652	231	10883	2886	13769	49.99
17	3760	85	458	4303	472	2036	4691	4811	-936	-734	10913	176	11089	2860	13949	49.95
18	3783	141	457	4381	415	2020	4510	4729	-831	-663	10907	198	11105	2799	13904	49.99
19	3837	789	465	5091	385	2039	4664	4863	-737	-633	11796	319	12115	2822	14937	50.01
20	3797	684	468	4949	353	2025	5013	4910	-759	-622	11662	528	12190	2812	15002	50.10
21	3808	461	467	4736	383	1833	4926	4923	-659	-526	11394	488	11882	2672	14554	50.02
22	3825	567	466	4858	305	1663	4739	4921	-662	-499	11268	472	11740	2503	14243	50.03
23	3689	1045	467	5201	235	1608	4445	4556	-687	-531	11119	185	11304	2393	13697	49.89
24	3640	749	467	4856	169	1602	4492	4442	-654	-492	10628	122	10750	2258	13008	50.01
MUs	89.50	6.72	9.41	105.63	7.57	47.40	110.83	111.67	-15.85	-12.65	260.47	7.86	268.34	58.69	327.03	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 04/Oct/2012

Position as on 6.30 Hrs of 05/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.	05/10/2012
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.Gen.T/F overhauling	20/11/2012
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
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							
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	
Uran Unit 8	108	10/09/2012	21.07	04/10/2012	09.55	Gas shortage.	
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 3A	230	23/09/2012	09.35		Continued.	Gas Shortage.	
Bhusawal Unit 4	500	24/09/2012	01.35		Continued.	Boiler Tube Leakage.	05/10/2012
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Bhusawal Unit 2	210	01/10/2012	22.38	04/10/2012	07.05	Boiler Validity Ext.	
Koradi Unit 7	210	04/10/2012	09.36		Continued.	M.S.temp.low.	
Bhusawal Unit 2	210	04/10/2012	12.39	04/10/2012	22.36	Air heater problem.	
Nasik Unit 4	210	04/10/2012	19.29		Continued.	Boiler tube leakage.	
Khaparkheda Unit 2	210	05/10/2012	03.48	05/10/2012	06.45	Flame failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2012

Position as on 6.30 Hrs of 05/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	04/10/2012	09.28	04/10/2012	18.19	Replacement of broken conductor.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	04/10/2012	07.20	04/10/2012	11.08	Replacement of Y ph.flashover insulator string.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Kolhapur - Mapusa - II	27/09/2012	16.10		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	27/09/2012	23.48	04/10/2012	10.57	Over Voltage.
Dhule-Sar'Sarovar - II	02/10/2012	22.46		Continued.	Over Voltage.
Parli-Parli (PGCIL) I	03/10/2012	13.51	04/10/2012	09.56	To control Parly-Lonikand line loading.
Kolhapur-Solapur(PGCIL)-I	04/10/2012	21.19		Continued.	Over Voltage.
Wardha - Seoni - I	04/10/2012	22.03		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	05/10/2012	00.53		Continued.	Over Voltage.
Wardha (PG) - Mouda - I	05/10/2012	01.06		Continued.	Over Voltage.
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
400/220 KV 315 MVA ICT-III @ Padgha	29/09/2012	09.46		Continued.	B Ph.of A Bus PG Isolator (Taken on TBC for 2 Days).
Chandrapur - Parly - III	04/10/2012	08.54		Continued.	Wiring work of bus CVT core.Ready for charging at 19.15 hrs.
400/132 KV 200 MVA ICT - II @ Khadka	04/10/2012	09.03	04/10/2012	20.40	Tan delta measurement work.
400/220 KV 315MVA ICT-II @ Karad	04/10/2012	10.37		Continued.	Fire protection work.
Main Bus- II @ Babaleshwar	04/10/2012	11.45	04/10/2012	18.25	400KV bus extension work in new 400KV SPTCL bsys.
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.
220/6.6kv Stn. T/F NO.IV @ KORADI	25/09/2012	13.06		Continued.	Testing work.
Dhule-Chalisgaon	01/10/2012	13.14		Continued.	For Conneeting New Bbslr Ckt-II TO S/S Main Bus.
Lamboti-Bale-II	03/10/2012	10.30		Continued.	Retrofitting of distance relay.
Nagothane-MSL	03/10/2012	14.00	04/10/2012	16.30	Job completion of open access.
220/132KV, 200MVA ICT-I at Theur	04/10/2012	09.05	04/10/2012	17.20	HV B ph.bushing and PRV replaced.
Kandalgaon - Dasturi	04/10/2012	09.35	04/10/2012	15.45	Line maint. work
Jejuri I-Jejuri II	04/10/2012	10.35	04/10/2012	16.45	Testing work.
Khaperkheda - Wardha.	04/10/2012	12.23	04/10/2012	20.44	Replacement of CVT.
Aurangabad-Chitegaon-II	04/10/2012	12.49	04/10/2012	15.33	Relay testing work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2012

Position as on 6.30 Hrs of 05/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chinchwad - Talegaon	04/10/2012	10.00		Continued.	Nut bolt tightening work.
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.
Bhusawal- Aurangabad	30/09/2012	16.23		Continued.	Over Voltage.(Repl.of insulator.opp.outage on 27.09.2012)
Lonikand- Koyna Stage IV	03/10/2012	23.42	04/10/2012	09.48	Over Voltage.
Lonikand- Koyna Stage IV	04/10/2012	22.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Babaleshwar - Chalisgaon	27/09/2012	15.02		Continued.	To Relief Dhule ICT Loading.
Kandalgaon - ONGC	03/10/2012	21.58	04/10/2012	00.24	H/T due to heavy sparking in bus sectionalizer.
Kandalgaon - Lonand	03/10/2012	21.58	04/10/2012	00.05	H/T due to heavy sparking in bus sectionalizer.
Kandalgaon-Koyna	03/10/2012	21.58	04/10/2012	00.02	H/T due to heavy sparking in bus sectionalizer.
Kandalgaon-Bhira	03/10/2012	21.58	04/10/2012	00.16	H/T due to heavy sparking in bus sectionalizer.
Kandalgaon - Topworth	03/10/2012	21.58	04/10/2012	00.15	H/T due to heavy sparking in bus sectionalizer.
Kandalgaon - Pirangut	03/10/2012	21.58	04/10/2012	00.14	H/T due to heavy sparking in bus sectionalizer.
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.
Deepnagar-Aurangabad-I	29/09/2012	11.31		Continued.	Dist.Prot.,Ready for Charging from 20.58 Hrs.
Karad - Kolhapur - II	30/09/2012	19.25		Continued.	On O/V Due to Heavy Lightining @ Karad.
Koradi - Indiabull (Nandgaonpeth)	04/10/2012	16.50	04/10/2012	17.19	DT received at Korady end.
Karad-Jaigad I	05/10/2012	04.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	30/09/2012	19.40		Continued.	Distance Protection.
220/100 KV 100 MVA T/F - IV @ Kandalgaon	03/10/2012	20.08	04/10/2012	01.20	PDR Tripped.
Khaparkheda-Kawlewada-I	04/10/2012	11.00	04/10/2012	11.20	Distance protection operated Z-1.
Nasik-Padgha- II	04/10/2012	17.37	04/10/2012	18.00	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	110
Unit 7	210	0
	620	110
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	125
Unit 4	210	152
Unit 5	210	0
Unit 6	250	150
Unit 7	250	160
	1130	587
Chandrapur		
Unit 1	210	125
Unit 2	210	130
Unit 3	210	100
Unit 4	210	100
Unit 5	500	350
Unit 6	500	350
Unit 7	500	325
	2340	1480
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	130
Unit 4	210	130
Unit 5	500	270
	1340	790
Nasik		
Unit 3	210	170
Unit 4	210	0
Unit 5	210	180
	630	350
Uran		
All Units	852	460
	852	460
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	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	24
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	193
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	825
WARDHA	405	420
Adani	660	
Other CPPs	0	
	1665	1245
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	297
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5158
	3455	5158