



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Oct/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.079	2283.483	1) Gujrat	11.486	260.842
2) Hydro	7.959	218.826	2) Madhya Pradesh	17.158	407.466
3) Gas	9.321	213.747	3) Chattisgarh	12.340	270.622
Total MSGENCO	132.359	2716.056	4) Maharashtra	71.704	1333.548
B) 1) JSW JAIGAD	27.428	592.442	5) Goa	-6.567	-131.616
2) WPCL	6.426	187.880	6) TAPS 1&2 Injection	3.861	98.263
3) ADANI	9.560	179.910	7) RGPPL Injection	14.133	317.221
4) Other CPP / IPP	7.496	147.113	8) Pench (Excess)	-1.023	-16.243
5) Wind Generation	11.039	93.449	# Total Cent. Sector	123.092	2540.103
6) PENCH (MS)	1.023	16.243	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.707	-259.628
1) TPCL Thermal	27.983	626.477	G) Bilateral Power *		
2) TPCL Hydro	4.528	87.794	1) MSEDCL Bilateral	49.012	994.311
TOTAL TPCL	32.511	714.271	Include PX	6.191	50.918
3) REL Thermal	11.943	275.443	2) MUMBAI Bilateral	13.288	301.272
D) STATE			Include PX	2.933	55.580
1) Thermal (A1+C1+C3)	155.005	3185.403	3) MUMBAI Schedule	13.288	301.272
2) Hydro (A2+B5+C2)	13.510	322.863	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.321	213.747	1) MSEDCL	304.716	6213.568
4) Wind (B4)	11.039	93.449	2) TPCL	39.014	836.561
5) CPP (B1+B2+B3)	50.910	936.995	3) REL	19.148	412.761
TOTAL STATE	239.785	4752.457	TOTAL STATE	362.878	7462.890

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	4738	4673	5026
MSGENCO Hydro	722	467	104
MSGENCO Gas	458	307	401
MSGENCO Total Generation	5918	5447	5531
Central Sector Receipt	5663	5858	3738
WIND	412	359	701
CPP / IPP	2154	2157	2076
Exchange with Mumbai	-656	-643	-570
MSEDCL DEMAND MET	13538	13181	11523
Load Shedding	764	457	81
MSEDCL DEMAND	14302	13638	11604
TPCL GENERATION	1674	1680	819
R-INFRA GENERATION	527	523	391
TPCL+R-INFRA DEMAND	2857	2846	1780
STATE DEMAND MET	16395	16027	13303
STATE DEMAND	17159	16484	13384
Frequency (Hz)	49.98	50.10	50.16

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 20.54 Hrs	49.7 Hz at 18.07 Hrs	50.09	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 22/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	3.27	65.73	148	116	150
Unit 7	3.47	46.37	150	115	150
Total	6.74	112.10			300
Bhusawal					
Unit 2	0.00	50.78	0	0	0
Unit 3	3.46	71.90	165	135	150
Unit 4	5.10	85.59	333	0	
Unit 5	0.00	0.00	0	0	
Total	8.56	208.27			150
Parli					
Unit 3	3.36	69.15	163	126	160
Unit 4	3.26	58.61	152	121	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.28	93.98	212	149	180
Unit 7	0.00	83.90	0	0	0
Total	10.89	305.64			490
Chandrapur					
Unit 1	3.47	72.95	159	130	160
Unit 2	3.45	72.38	161	125	160
Unit 3	4.33	85.25	200	146	190
Unit 4	4.23	70.17	193	144	190
Unit 5	8.61	134.38	425	305	350
Unit 6	10.60	197.82	485	400	450
Unit 7	9.42	175.75	421	359	350
Total	44.12	808.71			1850
Paras					
Unit 3	4.60	96.89	207	166	210
Unit 4	4.73	81.42	232	163	210
Total	9.33	178.31			420
Khaparkheda					
Unit 1	3.47	71.22	160	120	150
Unit 2	3.75	67.12	175	125	150
Unit 3	3.97	84.84	179	158	170
Unit 4	3.84	83.46	179	152	170
Unit 5	7.40	123.90	341	263	250
Total	22.42	430.55			890
Nasik					
Unit 3	4.50	92.59	200	165	190
Unit 4	4.20	58.64	188	147	180
Unit 5	4.31	88.68	203	154	180
Total	13.01	239.91			550
Uran					
All Units	9.32	213.75	460	305	450
Total	9.32	213.75			450
PENCH (MS)					
Pench (MS)	1.02	16.24	50	3	
Total	1.02	16.24			
Koyna					
Stage 1-2	2.10	69.90	415	20	600
Stage 4	1.95	68.42	392	0	250
Stage 3	1.14	31.55	210	0	320
Kovna 12&4 Total	4.04	138.33			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.18	169.87			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.10	4.49	52	0	55
BHTGR/VEER	0.12	3.07	5	4	5
BHIRA T.R.	0.23	5.51	70	0	80
RNGR+BHTSA	0.33	6.93	15	13	13
BHANDARDRA	0.73	4.99	31	30	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.21	11.66	15	6	9
GHATGHAR	1.06	11.89	250	0	
Total	2.78	48.95			182
Wind					
MalharPeth	0.76	6.01			
Vankuswadi	1.38	9.98			
ATIT	0.15	2.61			
Kale	0.47	3.35			
Satara	0.28	14.30			
Shirala	0.46	3.67			
K Mahankal	2.64	9.39			
Supa	0.16	1.47			
Vita	1.29	19.53			
Dondaicha	1.70	13.17			
Sakri	0.28	1.81			
Nandurbar	0.10	1.32			
Khandke	0.68	3.98			
Khaparale	0.68	2.87			
Total	11.04	93.45			
CPP					
JSW JAIGAD	27.43	592.44	1202	1045	1094
WARDHA	6.43	187.88	324	216	360
Adani	9.56	179.91	410	390	
Other CPPs	7.50	147.11			
Total	50.91	1107.34			1454
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.65	247.12	503	291	500
Trombay 6	8.42	159.93	503	155	500
Trombay 7A	2.92	60.63	124	119	120
Trombay 7B	1.65	34.84	70	68	60
Trombay 8	4.34	123.96	183	179	180
TATA Hydro	4.53	87.79	306	0	318
Total	32.51	714.27			1678
REL					
1&2	11.94	275.44	527	390	500
Total	11.94	275.44			500
Cent Sect					
Share					5546
Total					5546

MS PG CL	Thermal	115.08	2283.48			4650
	Thml+Gas	124.40	2497.23			5100
	Hydro	7.96	218.83			1352
	Total	132.36	2716.06			6452
State Total		239.78	4752.46			15630

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	5015	103	401	5519	788	2074	4274	3983	-495	-746	11664	16	11680	2089	13769	50.12
2	4967	93	401	5461	758	2080	4184	3823	-405	-645	11523	56	11579	1895	13474	50.10
3	5026	104	401	5531	701	2076	4123	3738	-341	-570	11523	81	11604	1780	13384	50.16
4	4925	99	401	5425	657	2065	4105	3935	-318	-501	11628	81	11709	1709	13418	50.14
5	4920	99	442	5461	607	2067	4195	4076	-412	-476	11782	81	11863	1685	13548	50.12
6	4991	99	444	5534	611	2062	5234	4728	-414	-549	12433	124	12557	1761	14318	50.10
7	4975	100	443	5518	615	2080	5164	5196	-319	-454	13002	274	13276	1872	15148	50.02
8	4888	106	443	5437	498	2076	5239	5288	-394	-327	13019	363	13382	1972	15354	50.01
9	4793	105	441	5339	434	2070	5294	5346	-456	-318	12918	603	13521	2241	15762	50.01
10	4832	211	446	5489	421	2113	5316	5390	-534	-441	12997	651	13648	2596	16244	50.15
11	4771	487	443	5701	465	2134	5550	5733	-765	-638	13420	618	14038	2832	16870	50.01
12	4738	722	458	5918	412	2154	5613	5663	-775	-656	13538	764	14302	2857	17159	49.98
13	4818	696	460	5974	435	2167	5579	5483	-725	-650	13456	851	14307	2854	17161	50.09
14	4816	302	456	5574	450	2165	5493	5662	-633	-603	13295	737	14032	2807	16839	50.05
15	4845	274	460	5579	499	2161	5555	5819	-686	-647	13458	660	14118	2850	16968	50.05
16	4802	292	305	5399	378	2162	5602	5948	-707	-650	13284	534	13818	2856	16674	49.99
17	4673	467	307	5447	359	2157	5588	5858	-680	-643	13181	457	13638	2846	16484	50.10
18	4630	507	307	5444	232	2121	5119	5413	-594	-597	12639	380	13019	2804	15823	50.09
19	4607	1109	308	6024	218	2146	5323	5567	-689	-649	13352	81	13433	2856	16289	50.12
20	4631	1051	306	5988	226	2115	5480	5624	-686	-645	13354	44	13398	2851	16249	50.19
21	4623	515	311	5449	246	2150	5370	5540	-557	-586	12845	34	12879	2717	15596	50.16
22	4600	220	313	5133	307	2175	5360	5395	-547	-581	12479	23	12502	2585	15087	50.16
23	4591	104	312	5007	319	2170	5104	4982	-584	-595	11933	8	11941	2475	14416	50.08
24	4604	94	312	5010	403	2170	4873	4896	-570	-540	11989	2	11991	2371	14362	50.10
MUs	115.08	7.96	9.32	132.36	11.04	50.91	122.74	123.09	-13.29	-13.71	304.71	7.52	312.24	58.16	370.40	50.09

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 22/Oct/2012

Position as on 6.30 Hrs of 23/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	
Parli Unit 7	250	20/10/2012	12.28		Continued.	Boiler Tube Leakage.	23/10/2012
Uran Unit A0	120	21/10/2012	23.48	22/10/2012	04.47	Bypass Fault.	
CPP WPCL U-3	135	22/10/2012	08.53		Continued.	Withdrawn.	
Uran Unit 7	108	22/10/2012	15.21		Continued.	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		Continued.	Boiler Tube Leakage.	26/10/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Oct/2012

Position as on 6.30 Hrs of 23/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Dhule-S'Sarovar I	19/10/2012	23.50	22/10/2012	19.13	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.
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
Koradi - Indiabull (Nandgaonpeth)	22/10/2012	07.49	22/10/2012	11.53	To Attend Chattering Noise on B Ph. Wave Trap.
Main Bus-II @ APML Tiroda	22/10/2012	10.00	22/10/2012	18.17	To Attend Bus Isolator Problem.
Khadka - Deepnagar - I	22/10/2012	12.11	22/10/2012	12.14	First Time Charged.
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.
220/100KV 200MVA ICT-III at Kalwa	19/10/2012	08.49	22/10/2012	11.18	Air Cell of Conservator Tank
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthing work
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthing work
Ambazari-Amravati	22/10/2012	08.15	22/10/2012	16.44	Replacement of Disc Insulator @ Cut Point Locations.
Pedambe-Tambati	22/10/2012	08.40	22/10/2012	13.20	Conductor Replacement.
220/100KV 200MVA ICT-II at Kalwa	22/10/2012	09.30		Continued.	To Attend Heavy Oil Leakage.
Main Bus-I at Pawas	22/10/2012	09.35	22/10/2012	17.20	C T Replacement of 220/33KV 25 MVA T/F.
220/132 KV 200 MVA ICT-II @ Boiser	22/10/2012	10.19	22/10/2012	14.11	To Attend CTR Oil Leakage.
Nagothane-MSL	22/10/2012	10.49	22/10/2012	17.47	R Ph. P T Replacement.
220/100 KV,200MVA ICT - I at Padgha	22/10/2012	12.09	22/10/2012	18.20	Transformer Oil Topup.
Pophali-New Koyna	22/10/2012	12.45	22/10/2012	15.40	Blackstart Mockoril @ Pophali.
Pophali - Pedambe	22/10/2012	13.34	22/10/2012	16.30	Blackstart Mockoril @ Pophali.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand - Chakan	22/10/2012	12.59	22/10/2012	14.20	C T Secondary Sparking.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Wardha Power - Warora-I	22/10/2012	13.35	22/10/2012	14.54	For Attending Hot Spot in Bus Side Jumper.
Jejuri I-Jejuri II	22/10/2012	19.32	22/10/2012	23.49	Red Hot R Ph. Wave Trap.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Oct/2012

Position as on 6.30 Hrs of 23/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	21/10/2012	16.08	22/10/2012	08.50	Over Voltage.
Bhusawal- Aurangabad	21/10/2012	18.07	22/10/2012	06.22	Over Voltage.
Karad - Kolhapur - II	21/10/2012	21.09		Continued.	Over Voltage.
Khadka - Deepnagar - II	22/10/2012	21.51		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.
Voltage Level : 220KV			Outage Type TRIPPED		
Lonand - Jejuri	22/10/2012	06.25	22/10/2012	07.00	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	
Unit 3	210	140
Unit 4	500	
Unit 5	500	
	1420	140
Parli		
Unit 3	210	130
Unit 4	210	125
Unit 5	210	0
Unit 6	250	150
Unit 7	250	0
	1130	405
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	375
Unit 6	500	0
Unit 7	500	425
	2340	1500
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	100
Unit 2	210	150
Unit 3	210	185
Unit 4	210	190
Unit 5	500	350
	1340	975
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	13
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	138
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	1100
WARDHA	405	240
Adani	660	
Other CPPs	0	
	1665	1340
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	180
TATA Hydro	444	318
	2024	1678
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5549
	3455	5549