



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Dec/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Dec/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.949	1211.842	1) Gujrat	15.709	115.025
2) Hydro	8.875	118.817	2) Madhya Pradesh	19.760	170.973
3) Gas	7.706	83.854	3) Chattisgarh	12.960	123.800
Total MSGENCO	135.530	1414.513	4) Maharashtra	74.555	689.776
B) 1) JSW JAIGAD	20.279	205.157	5) Goa	-5.490	-55.576
2) WPCL	8.865	88.577	6) TAPS 1&2 Injection	3.457	34.892
3) ADANI	0.000	0.000	7) RGPPL Injection	11.612	93.395
4) Other CPP / IPP	11.044	105.185	8) Pench (Excess)	-0.202	-2.845
5) Wind Generation	3.307	40.360	# Total Cent. Sector	132.361	1169.440
6) PENCH (MS)	0.202	2.845	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.670	-101.993
1) TPCL Thermal	27.204	257.661	G) Bilateral Power *		
2) TPCL Hydro	4.063	33.206	1) MSEDCL Bilateral	42.873	371.738
TOTAL TPCL	31.267	290.867	Include PX	4.695	8.531
3) REL Thermal	12.160	112.246	2) MUMBAI Bilateral	12.935	104.709
D) STATE			Include PX	2.429	4.218
1) Thermal (A1+C1+C3)	158.313	1581.749	3) MUMBAI Schedule	12.935	106.009
2) Hydro (A2+B5+C2)	13.140	154.868	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.706	83.854	1) MSEDCL	300.918	2924.084
4) Wind (B4)	3.307	40.360	2) TPCL	36.126	338.781
5) CPP (B1+B2+B3)	40.188	398.919	3) REL	17.968	166.310
TOTAL STATE	222.654	2259.750	TOTAL STATE	355.012	3429.175

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	5076	5058	4744
MSGENCO Hydro	672	860	123
MSGENCO Gas	307	316	329
MSGENCO Total Generation	6055	6234	5196
Central Sector Receipt	6577	5521	4675
WIND	18	234	118
CPP / IPP	1667	1707	1563
Exchange with Mumbai	-478	-546	-342
MSEDCL DEMAND MET	13839	13163	11210
Load Shedding	852	549	242
MSEDCL DEMAND	14691	13712	11452
TPCL GENERATION	1743	1618	815
R-INFRA GENERATION	526	527	390
TPCL+R-INFRA DEMAND	2747	2691	1547
STATE DEMAND MET	16586	15854	12757
STATE DEMAND	17438	16403	12999
Frequency (Hz)	49.92	50.00	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 20.55 Hrs	49.6 Hz at 08.40 Hrs	49.94	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 10/Dec/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	3.01	31.22	140	104	105
Unit 7	3.04	32.75	140	105	150
Total	6.05	63.97			255
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.42	43.41	195	165	190
Unit 4	6.27	74.80	375	0	280
Unit 5	0.00	0.00	0	0	0
Total	10.69	118.20			470
Parli					
Unit 3	3.52	34.58	178	100	120
Unit 4	0.00	0.00	0	0	0
Unit 5	3.95	36.85	172	155	170
Unit 6	0.00	0.00	0	0	0
Unit 7	5.25	47.24	247	177	180
Total	12.72	118.66			470
Chandrapur					
Unit 1	3.42	35.51	150	130	155
Unit 2	3.62	30.07	164	117	160
Unit 3	4.69	45.14	203	178	200
Unit 4	4.66	45.51	202	182	200
Unit 5	10.56	103.16	465	365	450
Unit 6	10.92	106.47	470	390	450
Unit 7	9.34	96.53	430	318	400
Total	47.22	462.39			2015
Paras					
Unit 3	5.70	55.90	256	193	250
Unit 4	5.65	54.69	259	176	250
Total	11.35	110.59			500
Khaparkheda					
Unit 1	2.75	34.58	155	85	180
Unit 2	4.39	37.25	200	165	180
Unit 3	0.00	31.13	0	0	0
Unit 4	4.49	37.54	198	176	180
Unit 5	7.50	86.37	430	201	200
Total	19.13	226.86			740
Nasik					
Unit 3	3.25	37.12	195	0	190
Unit 4	4.30	31.76	187	167	190
Unit 5	4.25	42.28	187	155	190
Total	11.80	111.16			570
Uran					
All Units	7.71	83.85	332	307	310
Total	7.71	83.85			310
PENCH (MS)					
Pench (MS)	0.20	2.84	47	0	
Total	0.20	2.84			
Koyna					
Stage 1-2	2.68	30.94	315	40	440
Stage 4	1.56	33.81	425	0	250
Stage 3	0.94	13.92	134	0	240
Kovna 12&4 Total	4.24	64.74			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.18	78.66			930
Hydro					
KDPH	0.46	3.32	20	19	18
VTRNA	0.00	0.99	0	0	0
TILLARI	0.26	2.64	60	0	60
BHTGR/VEER	0.05	0.58	2	2	2
BHIRA T.R.	0.12	1.97	40	0	40
RNGR+BHTSA	0.40	3.96	17	16	16
BHANDARDRA	0.00	3.71	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	11.29	55	45	9
GHATGHAR	1.27	11.68	250	0	0
Total	3.69	40.16			145
Wind					
MalharPeth	0.22	3.03			
Vankuswadi	0.32	4.43			
ATIT	0.10	0.94			
Kale	0.08	1.40			
Satara	0.22	4.02			
Shirala	0.12	1.79			
K Mahankal	0.09	3.87			
Supa	0.09	0.67			
Vita	0.15	4.62			
Dondaicha	1.41	9.35			
Sakri	0.17	1.26			
Nandurbar	0.11	0.75			
Khandke	0.11	2.44			
Khaparale	0.12	1.82			
Total	3.31	40.36			
CPP					
JSW JAIGAD	20.28	205.16	871	733	850
WARDHA	8.86	88.58	372	366	380
Adani	0.00	0.00	0	0	
Other CPPs	11.04	105.18			
Total	40.19	398.92			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.42	97.75	503	285	500
Trombay 6	6.52	57.34	495	155	500
Trombay 7A	2.96	29.66	129	114	120
Trombay 7B	1.65	16.49	70	65	60
Trombay 8	5.65	56.43	251	192	250
TATA Hydro	4.06	33.21	306	0	318
Total	31.27	290.87			1748
REL					
1&2	12.16	112.25	528	390	500
Total	12.16	112.25			500
Cent Sect					
Share					5404
Total					5404

MS PG CL	Thermal	118.95	1211.84			5020
	Thml+Gas	126.66	1295.70			5330
	Hydro	8.88	118.82			1075
	Total	135.53	1414.51			6405
State Total		222.65	2259.75			15287

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Dec/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	4704	178	325	5207	105	1670	4488	5037	-426	-431	11588	147	11735	1818	13553	49.98
2	4629	123	328	5080	97	1615	4498	4913	-425	-406	11299	219	11518	1676	13194	50.05
3	4710	123	329	5162	107	1608	4466	4841	-383	-390	11328	234	11562	1594	13156	50.12
4	4744	123	329	5196	118	1563	4448	4675	-350	-342	11210	242	11452	1547	12999	50.11
5	4793	128	331	5252	119	1596	4516	4843	-404	-344	11466	291	11757	1553	13310	50.14
6	4876	308	331	5515	112	1664	4722	5084	-361	-313	12062	491	12553	1658	14211	49.89
7	5047	248	326	5621	100	1696	5218	5094	-364	-337	12174	930	13104	1805	14909	49.79
8	5182	148	332	5662	76	1689	5241	5683	-379	-283	12827	937	13764	1913	15677	49.75
9	5260	148	325	5733	41	1700	5671	5850	-416	-321	13003	955	13958	2164	16122	49.82
10	5255	499	315	6069	19	1704	5820	6259	-547	-393	13658	763	14421	2465	16886	49.81
11	5042	602	308	5952	16	1698	6306	6785	-629	-502	13949	653	14602	2686	17288	49.74
12	5076	672	307	6055	18	1667	6317	6577	-594	-478	13839	852	14691	2747	17438	49.92
13	5162	473	311	5946	24	1664	6203	6407	-629	-480	13561	943	14504	2734	17238	49.82
14	5090	645	314	6049	80	1703	5955	6136	-646	-491	13477	853	14330	2661	16991	49.87
15	4944	1012	314	6270	131	1705	5941	5959	-685	-555	13510	756	14266	2690	16956	49.88
16	4979	941	317	6237	202	1702	5968	6061	-695	-568	13634	665	14299	2691	16990	49.83
17	5058	860	316	6234	234	1707	5785	5521	-658	-546	13163	549	13712	2691	16403	50.00
18	4980	258	313	5551	231	1678	5554	5434	-662	-504	12417	510	12927	2647	15574	49.94
19	5051	323	321	5695	248	1678	5514	5727	-736	-559	12816	447	13263	2708	15971	49.93
20	5080	269	323	5672	339	1690	5425	5215	-656	-520	12443	574	13017	2650	15667	50.00
21	4928	168	323	5419	284	1699	5263	5307	-611	-464	12292	482	12774	2460	15234	50.04
22	4852	122	325	5299	249	1693	5014	4990	-585	-511	11761	443	12204	2302	14506	50.08
23	4811	123	322	5256	196	1702	4770	5064	-574	-494	11724	169	11893	2180	14073	49.94
24	4696	381	321	5398	161	1697	4495	4899	-518	-438	11717	126	11843	2057	13900	50.11
MUs	118.95	8.88	7.71	135.53	3.31	40.19	127.60	132.36	-12.93	-10.67	300.92	13.23	314.15	54.10	368.25	49.94

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 10/Dec/2012

Position as on 6.30 Hrs of 11/Dec/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.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
Uran Unit A0	120	15/11/2012	23.56		Continued.	A/OH.	
Koyna Unit 5	80	20/11/2012	23.45		Continued.	To attend water leakage on servomotor, Outage on pressure shaft no.3 of unit	21/12/2012
Koyna Unit 6	75	21/11/2012	07.55		Continued.	Overhauling work of Spherical Valve.	21/12/2012
CPP WPCL U-3	135	26/11/2012	17.33		Continued.	Annual Shutdown.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
CPP JSW (J) U4	300	30/11/2012	23.32		Continued.	Planned shutdown A.M.	
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 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Uran Unit 6	108	05/12/2012	11.07		Continued.	Gas shortage.	
Cent_Sect Sipat U-1	660	07/12/2012	22.37	10/12/2012	11.07	Boiler tube leakage.	
Nasik Unit 3	210	09/12/2012	07.20	10/12/2012	05.25	Station T/F-3 Tripped due to LVside Cable Box Burnt	
Khaparkheda Unit 3	210	09/12/2012	15.21		Continued.	Boiler Tube Leakage	
Bhusawal Unit 4	500	10/12/2012	20.22		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2012

Position as on 6.30 Hrs of 11/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Kalmeshwar - Pandurna	08/12/2012	08.13		Continued.	Making tension, Shifting of new tower.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni - Wardha - I 765KV	03/12/2012	22.34		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	04/12/2012	12.41		Continued.	Over Voltage.
Dhule-S'Sarovar I	06/12/2012	21.55	10/12/2012	10.32	Over Voltage.
Kolhapur-Mapusa-II	08/12/2012	17.18		Continued.	Over Voltage.
Akola - Wardha - II	09/12/2012	23.29	10/12/2012	07.29	Over Voltage
Dhule-Sar'Sarovar - I	10/12/2012	23.08		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Revamping Work of ICT-1.
Bableswhar-Aurangabad	10/12/2012	12.33	10/12/2012	15.04	Air Leakage of Breaker(Taken on TBC)
Main Bus - I @ Bhusawal	10/12/2012	16.15	10/12/2012	21.10	Isolator Alignment work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kharghar - Kalwa	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 30/12/2012)
220/132KV 200 MVA ICT-III @ Padegaon	07/12/2012	14.36		Continued.	Replacement of MOCB(ICT will be charged through TBC.)
Lonand - Bothe (Surwadi)	08/12/2012	10.27		Continued.	220KV peripheral unit(Bus Bar)confirmation through primary
Mumewadi-Halkarni-II	10/12/2012	07.25	10/12/2012	18.12	Insulator Strings replacement
Kalwa - Siemens	10/12/2012	09.28		Continued.	Replacement of 29A&B Isolators(Taken on TBC)
Talangade - Mudshingi - I	10/12/2012	13.38	10/12/2012	15.44	Analysis of Taurus Kit
Talangade-Mudshingi-II	10/12/2012	15.52	10/12/2012	18.06	Analysis of Taurus Kit
Chikhali - Jalna - II	10/12/2012	17.30	10/12/2012	17.31	Line Newly Charged
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Deepnagar-Aurangabad-I	04/12/2012	11.49		Continued.	Over Voltage.
400/220 KV 315 MVA ICT @ Akola	06/12/2012	12.26		Continued.	Due to abnormal results of DGA test.
Karad-Kolhapur-II	09/12/2012	16.34	10/12/2012	08.56	Over Voltage
Bhusawal- Aurangabad	09/12/2012	16.34	10/12/2012	10.07	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Dec/2012

Position as on 6.30 Hrs of 11/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	09/12/2012	20.30	10/12/2012	10.30	Over Voltage
Khadka - Deepnagar - I	10/12/2012	09.23		Continued.	Over Voltage
Karad - Kolhapur - I	10/12/2012	16.25		Continued.	Over Voltage
Bhusawal- Aurangabad	10/12/2012	16.29		Continued.	Over Voltage
Karad - Kolhapur - II	10/12/2012	19.58		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated. Declared Faulty by Genco. Sent for Repairs.
Koradi - Bhusawal	10/12/2012	13.53	10/12/2012	14.10	DT Received at Koradi(Tripped Koradi end only)
Voltage Level : 220KV			Outage Type TRIPPED		
Bus section-II at Nsk GCR	08/12/2012	01.41		Continued.	Bus Section-II,'B' ph.CT burst.
Lonand - SonaAlloys	10/12/2012	06.05	10/12/2012	06.39	Distance Protection
Kandalgaon - Sona Alloy	10/12/2012	06.05	10/12/2012	06.40	Distance Protection
Kharghar-TSS	10/12/2012	14.15	10/12/2012	16.46	Distance Protection
Vita - Miraj	10/12/2012	18.58	10/12/2012	19.55	Distance Protection
Miraj - Kadegaon	10/12/2012	18.58	10/12/2012	19.26	General Trip

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	115
	620	245
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	170
Parli		
Unit 3	210	150
Unit 4	210	0
Unit 5	210	167
Unit 6	250	0
Unit 7	250	190
	1130	507
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	430
Unit 7	500	350
	2340	1930
Paras		
Unit 3	250	250
Unit 4	250	220
	500	470
Khaparkheda		
Unit 1	210	150
Unit 2	210	180
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
	1340	930
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	340
	852	340
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	240
	1920	930
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	144
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	850
WARDHA	405	380
Adani	660	
Other CPPs	0	
	1665	1230
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	5505
	3455	5505