



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Dec/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.496	481.045	1) Gujrat	6.197	36.303
2) Hydro	13.838	37.099	2) Madhya Pradesh	14.868	62.348
3) Gas	10.059	41.079	3) Chattisgarh	12.220	48.210
Total MSGENCO	150.393	559.223	4) Maharashtra	62.147	259.075
B) 1) JSW JAIGAD	20.801	79.329	5) Goa	-5.518	-21.207
2) WPCL	8.768	35.361	6) TAPS 1&2 Injection	3.497	14.175
3) ADANI	0.000	0.000	7) RGPPL Injection	6.345	42.042
4) Other CPP / IPP	11.409	42.883	8) Pench (Excess)	-0.300	-1.322
5) Wind Generation	8.192	18.280	# Total Cent. Sector	99.456	439.624
6) PENCH (MS)	0.300	1.322	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.961	-28.915
1) TPCL Thermal	26.590	99.947	G) Bilateral Power *		
2) TPCL Hydro	3.871	12.330	1) MSEDCL Bilateral	34.869	137.520
TOTAL TPCL	30.461	112.277	Include PX	-0.912	-0.618
3) REL Thermal	11.928	48.025	2) MUMBAI Bilateral	8.805	32.225
D) STATE			Include PX	-1.156	-6.586
1) Thermal (A1+C1+C3)	165.014	629.017	3) MUMBAI Schedule	8.805	32.225
2) Hydro (A2+B5+C2)	18.009	50.751	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.059	41.079	1) MSEDCL	290.358	1147.107
4) Wind (B4)	8.192	18.280	2) TPCL	34.811	127.431
5) CPP (B1+B2+B3)	40.978	157.573	3) REL	16.540	61.779
TOTAL STATE	242.252	896.700	TOTAL STATE	341.709	1336.317

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	5378	5357	4979
MSGENCO Hydro	1064	710	144
MSGENCO Gas	405	403	441
MSGENCO Total Generation	6847	6470	5564
Central Sector Receipt	5082	4638	3066
WIND	220	109	564
CPP / IPP	1749	1741	1576
Exchange with Mumbai	-386	-376	-163
MSEDCL DEMAND MET	13537	12582	10607
Load Shedding	825	505	33
MSEDCL DEMAND	14362	13087	10640
TPCL GENERATION	1729	1662	837
R-INFRA GENERATION	528	528	394
TPCL+R-INFRA DEMAND	2643	2566	1394
STATE DEMAND MET	16180	15148	12001
STATE DEMAND	17005	15653	12034
Frequency (Hz)	49.86	49.80	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 18.15 Hrs	49.38 Hz at 06.40 Hrs	49.95	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 04/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	3.24	13.02	150	127	125
Unit 7	3.56	12.71	170	125	125
Total	6.80	25.74			250
Bhusawal					
Unit 2	0.00	0.00	0	0	
Unit 3	4.46	17.36	200	175	175
Unit 4	9.62	29.06	465	315	350
Unit 5	0.00	0.00	0	0	
Total	14.08	46.42			525
Parli					
Unit 3	3.12	13.99	146	109	150
Unit 4	0.00	0.00	0	0	0
Unit 5	3.54	14.29	160	135	140
Unit 6	0.00	0.00	0	0	0
Unit 7	4.81	18.46	235	150	170
Total	11.48	46.75			460
Chandrapur					
Unit 1	3.68	14.38	158	150	150
Unit 2	3.96	8.05	175	154	160
Unit 3	4.81	19.14	206	190	200
Unit 4	4.82	18.98	206	192	200
Unit 5	10.14	40.44	450	315	410
Unit 6	10.82	42.41	465	435	440
Unit 7	9.77	39.38	430	340	410
Total	48.02	182.78			1970
Paras					
Unit 3	5.32	21.13	261	170	250
Unit 4	5.10	20.99	232	193	250
Total	10.41	42.12			500
Khaparkheda					
Unit 1	3.32	15.25	150	110	160
Unit 2	3.51	14.91	170	110	160
Unit 3	3.52	14.87	160	139	160
Unit 4	3.29	15.28	160	130	160
Unit 5	9.73	36.08	455	360	350
Total	23.37	96.38			990
Nasik					
Unit 3	4.24	16.82	185	160	170
Unit 4	3.95	7.41	182	151	190
Unit 5	4.16	16.62	188	163	190
Total	12.35	40.85			550
Uran					
All Units	10.06	41.08	441	380	430
Total	10.06	41.08			430
PENCH (MS)					
Pench (MS)	0.30	1.32	47	0	
Total	0.30	1.32			
Koyna					
Stage 1-2	3.33	9.58	385	40	440
Stage 4	4.94	6.08	514	0	250
Stage 3	1.67	3.27	206	0	240
Kovna 12&4 Total	8.27	15.66			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.93	18.93			930
Hydro					
KDPH		0.16	0	0	0
VTRNA	0.00	0.50	0	0	0
TILLARI	0.29	1.08	58	0	60
BHTGR/VEER	0.09	0.28	4	3	3
BHIRA T.R.	0.10	0.65	41	0	40
RNGR+BHTSA	0.39	1.58	17	16	16
BHANDARDRA	0.72	2.99	30	30	32
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	4.56	55	45	10
GHATGHAR	1.18	6.38	250	0	
Total	3.91	18.17			161
Wind					
MalharPeth	0.67	1.32			
Vankuswadi	0.92	1.89			
ATIT	0.25	0.46			
Kale	0.25	0.60			
Satara	0.78	2.10			
Shirala	0.44	1.01			
K Mahankal	0.56	1.06			
Supa	0.05	0.30			
Vita	0.78	2.36			
Dondaicha	1.94	3.98			
Sakri	0.32	0.47			
Nandurbar	0.14	0.35			
Khandke	0.59	1.56			
Khaparale	0.49	0.80			
Total	8.19	18.28			
CPP					
JSW JAIGAD	20.80	79.33	905	731	614
WARDHA	8.77	35.36	371	332	372
Adani	0.00	0.00	0	0	
Other CPPs	11.41	42.88			
Total	40.98	157.57			986
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.71	37.06	503	286	500
Trombay 6	6.72	21.92	486	154	500
Trombay 7A	2.96	12.04	127	117	120
Trombay 7B	1.64	6.64	69	67	60
Trombay 8	5.55	22.28	250	196	250
TATA Hydro	3.87	12.33	306	0	318
Total	30.46	112.28			1748
REL					
1&2	11.93	48.02	528	394	500
Total	11.93	48.02			500
Cent Sect					
Share					4689
Total					4689

MS PG CL	Thermal	126.50	481.04			5245
	Thml+Gas	136.56	522.12			5675
	Hydro	13.84	37.10			1091
	Total	150.39	559.22			6766
State Total		242.25	896.70			14689

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5254	139	441	5834	699	1667	3625	3135	-306	-322	11013	10	11023	1654	12677	50.07
2	5187	139	441	5767	638	1652	3396	3071	-242	-225	10903	34	10937	1525	12462	50.06
3	5047	134	441	5622	611	1573	3557	3012	-229	-204	10614	33	10647	1441	12088	50.14
4	4979	144	441	5564	564	1576	3579	3066	-207	-163	10607	33	10640	1394	12034	50.11
5	4927	189	438	5554	489	1577	3654	3535	-207	-180	10975	35	11010	1409	12419	49.97
6	5071	447	428	5946	483	1625	3817	3844	-219	-279	11619	93	11712	1507	13219	49.86
7	5218	897	440	6555	414	1685	4526	4367	-305	-406	12615	180	12795	1680	14475	49.81
8	5270	966	437	6673	511	1748	4762	4489	-343	-304	13117	667	13784	1832	15616	49.86
9	5345	670	428	6443	428	1747	4808	4546	-339	-254	12910	872	13782	2066	15848	49.80
10	5368	994	415	6777	379	1740	4882	4679	-377	-302	13273	693	13966	2376	16342	49.85
11	5411	1186	416	7013	261	1751	5076	4843	-453	-388	13490	618	14108	2599	16707	49.87
12	5378	1064	405	6847	220	1749	5129	5082	-475	-386	13537	825	14362	2643	17005	49.86
13	5327	956	404	6687	208	1747	5031	4673	-480	-390	12950	929	13879	2621	16500	49.84
14	5233	934	394	6561	133	1744	4940	4821	-420	-361	12921	861	13782	2525	16307	49.83
15	5261	1078	392	6731	117	1718	4890	4770	-400	-368	12976	723	13699	2551	16250	49.85
16	5307	1118	380	6805	119	1754	4874	4746	-424	-379	13045	636	13681	2565	16246	49.87
17	5357	710	403	6470	109	1741	4955	4638	-403	-376	12582	505	13087	2566	15653	49.80
18	5394	492	406	6292	133	1710	4652	4256	-397	-356	12079	439	12518	2553	15071	49.84
19	5349	708	410	6467	176	1750	4790	4454	-437	-424	12470	400	12870	2626	15496	50.04
20	5438	239	410	6087	177	1747	4827	4222	-446	-430	11850	623	12473	2552	15025	50.03
21	5357	211	418	5986	245	1741	4541	4126	-446	-620	11525	583	12108	2421	14529	50.06
22	5396	141	424	5961	344	1749	4565	3756	-446	-678	11153	535	11688	2257	13945	50.16
23	5317	136	422	5875	378	1750	3911	3768	-407	-643	11131	193	11324	2080	13404	50.05
24	5305	146	425	5876	356	1737	3636	3557	-395	-523	11003	140	11143	1907	13050	50.11
MUs	126.50	13.84	10.06	150.39	8.19	40.98	106.42	99.46	-8.80	-8.96	290.36	10.66	301.02	51.35	352.37	49.95

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/Dec/2012

Position as on 6.30 Hrs of 05/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 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
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	
Koyna ST - IV 4	250	04/12/2012	12.30		Continued.	Shaft Temp.Very High.	
REL 1	250	05/12/2012	00.56		Continued.	Boiler Tube Leakage.	08/12/2012

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

Position as on 6.30 Hrs of 05/Dec/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		
Dhule - S'Sarovar- II	29/11/2012	09.56	04/12/2012	09.19	Opportunity outage,.Ready for charging 18.00 Hrs.
Parli-Parli (PGCIL)-II	04/12/2012	09.56	04/12/2012	11.11	Tarpoline Removing Work.
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
Tillary-Amona	04/12/2012	08.04	04/12/2012	18.41	Replacement of Insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09	04/12/2012	11.31	Over Voltage
Kolhapur - Mapusa - II	27/11/2012	15.53		Continued.	Over Voltage.
Wardha - Akola - I	03/12/2012	22.34	04/12/2012	08.51	Over Voltage
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	04/12/2012	20.42		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.
Khadka - Deepnagar - II	04/12/2012	09.43	04/12/2012	18.05	For Modification in Scada System.
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
220/132 KV 100 MVA T/F - 6 @ Chinchwad	12/11/2012	11.42		Continued.	Newly Charged & Kept on Humming(In Place of 220/132KV 50 MVA) Which Was Out From 12.10.12).
220/110KV, 200MVA T/F-III at Mudshingi	27/11/2012	10.30		Continued.	Removing Leakage.
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 30/12/2012)
Uran - Kharghar - I	03/12/2012	07.26		Continued.	Diversion of 220KV Uran-Kharghar D/C(UPto 10/12/2012)
220/132 KV 150 MVA ICT-II @ Akola.	03/12/2012	07.41		Continued.	Replacement of 150MVA ICT-II by New 200MVA
Uran-Kharghar-II	03/12/2012	07.42		Continued.	Diversion of 220KV Uran-Kharghar D/C(UPto 10/12/2012)
220/132 KV 150 MVA ICT-II @ Akola.	04/12/2012	07.41	04/12/2012	12.45	Shifting CTR System Panel in The Yard for Excavation New Gantry Foundation for Replacement of 150 MVA ICT-II By New 200 MVA.
Chandrapur-Warora	04/12/2012	09.04	04/12/2012	16.24	Routine Maintenance Work,Measurment of Breaker Timing &

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

Position as on 6.30 Hrs of 05/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					of Breaker, Measurement of Tan Delta of CT's.
Uran-ONGC	04/12/2012	10.55		Continued.	Replacement of 220KV C.T.
Vita-Mhaisal	04/12/2012	11.35	04/12/2012	12.47	Q.M. Work.
Theur - Magarpatta	04/12/2012	12.02	04/12/2012	17.20	Bkr Maint.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Yavatmal - Panderkawada	04/12/2012	15.09	04/12/2012	15.10	New Line Charged First Time.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
100KV Main Bus @ Kandalgaon	04/12/2012	09.40	04/12/2012	17.05	To Replace Gantry Earthwire.
Pal-Taloja	04/12/2012	10.40	04/12/2012	15.40	R.M.Work.
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.
Karad - Kolhapur - II	01/12/2012	17.00		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/12/2012	19.08	04/12/2012	06.41	Over Voltage
Karad - Kolhapur - I	03/12/2012	20.16	04/12/2012	06.30	Over Voltage
Lonikand- Koyna Stage IV	03/12/2012	21.50	04/12/2012	06.31	Over Voltage
Deepnagar-Aurangabad-I	04/12/2012	11.49		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/12/2012	19.30		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	04/12/2012	21.43		Continued.	Over Voltage.
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Apta-Bombay Dyeing	04/12/2012	04.40	04/12/2012	06.03	R Phase P.T.Burst at B'Dying
Sahara-B'dying	04/12/2012	04.40	04/12/2012	06.10	Distance Protection
Aurangabad-Shendra	04/12/2012	07.20	04/12/2012	09.14	Tripped with Bus Bar Section-I Bus Bar Protection Operated.
Main Bus Section - I @ Shendra	04/12/2012	07.20	04/12/2012	09.14	B Ph P T Burst, Bus Bar Protection Operated.
220/33 KV 50 MVA T/F - I @ Shendra	04/12/2012	07.20	04/12/2012	09.14	Tripped with Bus Bar Section-I, Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	160
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	190
Unit 4	500	430
Unit 5	500	0
	1420	620
Parli		
Unit 3	210	157
Unit 4	210	0
Unit 5	210	135
Unit 6	250	0
Unit 7	250	180
	1130	472
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	150
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	350
	2340	1920
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	350
	1340	990
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	430
	852	430
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	58
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	157
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	824
WARDHA	405	368
Adani	660	
Other CPPs	0	
	1665	1192
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	250
	500	250
Cent Sect		
Share	3455	5071
	3455	5071