



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Dec/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Dec/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.361	116.361	1) Gujrat	11.043	11.043
2) Hydro	8.198	8.198	2) Madhya Pradesh	15.888	15.888
3) Gas	10.426	10.426	3) Chattisgarh	11.970	11.970
Total MSGENCO	134.985	134.985	4) Maharashtra	69.015	69.015
B) 1) JSW JAIGAD	18.742	18.742	5) Goa	-5.488	-5.488
2) WPCL	8.867	8.867	6) TAPS 1&2 Injection	3.571	3.571
3) ADANI	0.000	0.000	7) RGPPL Injection	12.094	12.094
4) Other CPP / IPP	9.684	9.684	8) Pench (Excess)	-0.355	-0.355
5) Wind Generation	1.341	1.341	# Total Cent. Sector	117.738	117.738
6) PENCH (MS)	0.355	0.355	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.690	-5.690
1) TPCL Thermal	25.232	25.232	G) Bilateral Power *		
2) TPCL Hydro	3.871	3.871	1) MSEDCL Bilateral	34.108	34.108
TOTAL TPCL	29.103	29.103	Include PX	0.000	0.000
3) REL Thermal	12.026	12.026	2) MUMBAI Bilateral	8.103	8.103
D) STATE			Include PX	-1.222	-1.222
1) Thermal (A1+C1+C3)	153.619	153.619	3) MUMBAI Schedule	8.103	8.103
2) Hydro (A2+B5+C2)	12.424	12.424	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.426	10.426	1) MSEDCL	286.022	286.022
4) Wind (B4)	1.341	1.341	2) TPCL	31.305	31.305
5) CPP (B1+B2+B3)	37.293	37.293	3) REL	15.511	15.511
TOTAL STATE	215.103	215.103	TOTAL STATE	332.838	332.838

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	4740	4956	4564
MSGENCO Hydro	1134	161	155
MSGENCO Gas	418	421	450
MSGENCO Total Generation	6292	5538	5169
Central Sector Receipt	5580	5349	4210
WIND	64	21	58
CPP / IPP	1722	1712	1471
Exchange with Mumbai	-225	-167	-178
MSEDCL DEMAND MET	13459	12453	10730
Load Shedding	826	443	47
MSEDCL DEMAND	14285	12896	10777
TPCL GENERATION	1689	1484	841
R-INFRA GENERATION	528	529	389
TPCL+R-INFRA DEMAND	2442	2180	1408
STATE DEMAND MET	15901	14633	12138
STATE DEMAND	16727	15076	12185
Frequency (Hz)	49.96	50.11	50.16

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 00:00 Hrs	49.68 Hz at 12:16 Hrs	50.07	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 01/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	3.32	3.32	150	130	140
Unit 7	3.31	3.31	150	125	140
Total	6.64	6.64			280
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.22	4.22	190	160	180
Unit 4	7.62	7.62	380	270	325
Unit 5	0.00	0.00	0	0	0
Total	11.84	11.84			505
Parli					
Unit 3	3.28	3.28	160	123	140
Unit 4	0.00	0.00	0	0	0
Unit 5	3.71	3.71	180	120	160
Unit 6	0.00	0.00	0	0	0
Unit 7	4.42	4.42	210	132	175
Total	11.41	11.41			475
Chandrapur					
Unit 1	3.63	3.63	158	134	160
Unit 2	0.00	0.00	0	0	0
Unit 3	4.79	4.79	208	177	200
Unit 4	4.64	4.64	201	180	200
Unit 5	9.87	9.87	455	260	270
Unit 6	10.23	10.23	465	345	350
Unit 7	9.58	9.58	450	346	350
Total	42.75	42.75			1530
Paras					
Unit 3	5.56	5.56	255	180	250
Unit 4	5.49	5.49	266	180	250
Total	11.05	11.05			500
Khaparkheda					
Unit 1	4.22	4.22	210	160	170
Unit 2	3.97	3.97	200	130	170
Unit 3	3.93	3.93	182	152	180
Unit 4	4.21	4.21	190	161	180
Unit 5	7.47	7.47	475	0	350
Total	23.80	23.80			1050
Nasik					
Unit 3	4.54	4.54	200	175	200
Unit 4	0.00	0.00	0	0	0
Unit 5	4.35	4.35	199	171	190
Total	8.88	8.88			390
Uran					
All Units	10.43	10.43	450	414	430
Total	10.43	10.43			430
PENCH (MS)					
Pench (MS)	0.36	0.36	51	0	0
Total	0.36	0.36			0
Koyna					
Stage 1-2	2.37	2.37	415	40	440
Stage 4	0.47	0.47	288	0	250
Stage 3	0.38	0.38	80	0	240
Kovna 12&4 Total	2.84	2.84			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.22	3.22			930
Hydro					
KDPH	0.16	0.16	20	0	19
VTRNA	0.38	0.38	61	0	0
TILLARI	0.27	0.27	60	0	60
BHTGR/VEER	0.06	0.06	3	2	4
BHIRA T.R.	0.16	0.16	41	0	40
RNGR+BHTSA	0.40	0.40	17	16	15
BHANDARDRA	0.71	0.71	30	29	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	1.14	54	45	20
GHATGHAR	1.71	1.71	250	0	0
Total	4.98	4.98			178
Wind					
MalharPeth	0.08	0.08			
Vankuswadi	0.15	0.15			
ATIT	0.01	0.01			
Kale	0.03	0.03			
Satara	0.21	0.21			
Shirala	0.01	0.01			
K Mahankal	0.01	0.01			
Supa	0.01	0.01			
Vita	0.22	0.22			
Dondaicha	0.38	0.38			
Sakri	0.04	0.04			
Nandurbar	0.04	0.04			
Khandke	0.08	0.08			
Khaparale	0.08	0.08			
Total	1.34	1.34			
CPP					
JSW JAIGAD	18.74	18.74	914	551	824
WARDHA	8.87	8.87	374	366	370
Adani	0.00	0.00	0	0	
Other CPPs	9.68	9.68			
Total	37.29	37.29			1194
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.49	9.49	506	285	500
Trombay 6	5.35	5.35	432	155	500
Trombay 7A	3.06	3.06	131	124	120
Trombay 7B	1.68	1.68	71	69	60
Trombay 8	5.65	5.65	253	194	250
TATA Hydro	3.87	3.87	306	0	318
Total	29.10	29.10			1748
REL					
1&2	12.03	12.03	529	389	500
Total	12.03	12.03			500
Cent Sect					
Share					5329
Total					5329

MS PG CL	Thermal	116.36	116.36			4730
	Thml+Gas	126.79	126.79			5160
	Hydro	8.20	8.20			1108
	Total	134.98	134.98			6268
State Total		215.10	215.10			15039

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4915	165	445	5525	17	1468	4418	4232	-333	-341	10901	12	10913	1615	12528	50.15
2	4816	155	446	5417	29	1481	4027	4120	-260	-255	10792	35	10827	1482	12309	50.21
3	4564	155	450	5169	58	1471	3958	4210	-206	-178	10730	47	10777	1408	12185	50.16
4	4567	155	450	5172	73	1462	3961	4319	-178	-141	10885	49	10934	1373	12307	50.20
5	4526	165	450	5141	53	1515	3964	4477	-222	-130	11056	89	11145	1370	12515	50.15
6	4590	154	450	5194	46	1638	4528	4670	-219	-84	11464	210	11674	1451	13125	50.02
7	4675	154	450	5279	49	1711	5108	4903	-254	-98	11844	385	12229	1554	13783	50.01
8	4874	199	450	5523	50	1715	5152	5504	-292	-155	12637	400	13037	1643	14680	50.01
9	4969	397	443	5809	68	1722	5084	5457	-235	-83	12973	568	13541	1873	15414	49.94
10	4970	519	430	5919	48	1722	5241	5470	-301	-142	13030	509	13539	2152	15691	49.91
11	4709	916	420	6045	53	1714	5259	5702	-376	-206	13334	595	13929	2371	16300	49.94
12	4740	1134	418	6292	64	1722	5271	5580	-403	-225	13459	826	14285	2442	16727	49.96
13	4695	705	415	5815	35	1716	5299	5395	-393	-214	12773	910	13683	2420	16103	49.94
14	4753	638	415	5806	17	1720	5295	5421	-349	-175	12815	816	13631	2304	15935	50.07
15	4889	493	414	5796	24	1715	5388	5470	-415	-150	12862	687	13549	2199	15748	50.10
16	4947	383	416	5746	30	1721	5383	5539	-415	-190	12846	592	13438	2201	15639	50.00
17	4956	161	421	5538	21	1712	5520	5349	-415	-167	12453	443	12896	2180	15076	50.11
18	5018	155	425	5598	61	1353	5249	4913	-333	-104	11831	313	12144	2141	14285	50.03
19	5024	283	429	5736	88	1327	5427	5251	-426	-304	12148	288	12436	2340	14776	50.04
20	5064	285	436	5785	58	1335	5529	5084	-468	-443	11869	89	11958	2328	14286	50.02
21	5067	232	437	5736	68	1334	4913	4809	-452	-554	11443	57	11500	2214	13714	50.01
22	5081	201	438	5720	93	1341	4818	4120	-415	-536	10789	49	10838	2078	12916	50.19
23	5039	197	433	5669	100	1345	4489	3874	-378	-450	10558	7	10565	1926	12491	50.18
24	4913	197	445	5555	138	1333	4202	3869	-364	-365	10530	5	10535	1754	12289	50.22
MUs	116.36	8.20	10.43	134.98	1.34	37.29	117.48	117.74	-8.10	-5.69	286.02	7.98	294.00	46.82	340.82	50.07

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 01/Dec/2012

Position as on 6.30 Hrs of 02/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	
Chandrapur Unit 2	210	30/11/2012	08.22	02/12/2012	16.25	Boiler tube leakage.	
Khaparkheda Unit 5	500	01/12/2012	09.46	01/12/2012	11.54	Flame failure.	
Khaparkheda Unit 5	500	01/12/2012	11.59	01/12/2012	13.18	Electrical protection.	
CPP JSW (J) U3	300	01/12/2012	17.14	02/12/2012	01.00	Turbine oil leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2012

Position as on 6.30 Hrs of 02/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - S'Sarovar- II	29/11/2012	09.56		Continued.	Opportunity outage,.Ready for charging 18.00 Hrs.
Padgha -Tarapur - I	01/12/2012	09.11	01/12/2012	18.23	Jumper replacement.
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
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Kolhapur - Mapusa - II	27/11/2012	15.53		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.
400/220 KV 600 MVA ICT - IV @ Padgha	01/12/2012	08.29	01/12/2012	20.02	Construction of fire wall.
400/220 KV,500MVA ICT-II at Deepnagar.	01/12/2012	09.46	01/12/2012	18.29	Tan delta of 220KV CT and 400KV CT IR values.
Khadka - Deepnagar - II	01/12/2012	10.41	01/12/2012	18.56	Maint.work.Ready for charging at 18.56 Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05	01/12/2012	16.27	Augumentation by 200 MVA ICT.
Kalwa - Khargar	19/10/2012	08.55	02/12/2012	14.37	Mumbai Strengthening work
Kharghar - Kalwa	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Mahape - Siemens	19/10/2012	10.09	01/12/2012	20.41	Mumbai Strengthening work(Till 30.11.12)
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).
Kalwa-Siemens II	21/11/2012	08.16	01/12/2012	20.43	Dismantling of old tower and normalization of 220KV Kalwa-Kharghar line.
220/110KV, 200MVA T/F-III at Mudshingi	27/11/2012	10.30		Continued.	Removing Leakage.
Kalwa-Colourchem	28/11/2012	08.07	01/12/2012	12.45	Replacement of 29A Isolator Under JICA -II (Taken on TBC).
Chinchwad-Theur	01/12/2012	09.01	01/12/2012	15.01	Replacement of flashover insulator.
BBLSR-A"Nagar II	01/12/2012	09.14	01/12/2012	17.32	Q.M.Work
Dondaicha - Jamde - II.	01/12/2012	09.26	01/12/2012	11.55	Maint. work
220/132 KV 200 MVA ICT	01/12/2012	09.29	01/12/2012	13.56	Q.M.Work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2012

Position as on 6.30 Hrs of 02/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
- V @ Nasik (OCR) New					
Oni - Kharepatan	01/12/2012	10.01	01/12/2012	18.04	Breaker overhauling work.
Dhule-Chalisgaon	01/12/2012	10.02	01/12/2012	16.42	Replacement of R ph.CT due to high tan delta values.
Trombay-Kharghar	01/12/2012	16.33	02/12/2012	14.58	Mumbai Strengthening work
Kalwa-Mahape	01/12/2012	16.35	01/12/2012	20.43	Connection of jumpers.
A Bus @ Boiser	01/12/2012	17.30	02/12/2012	17.40	P.T.Replacement work
Chakan - Bhosari	01/12/2012	23.20	02/12/2012	03.42	R ph. CT replacement.
Kalwa-Mulund-I	02/12/2012	08.15	02/12/2012	17.35	Replacement of 29C Isolator
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 30/12/2012)
Kalwa - Tifil	02/12/2012	14.37	02/12/2012	14.38	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.
Bhusawal- Aurangabad	26/11/2012	17.57	02/12/2012	07.05	Over Voltage
Karad - Kolhapur - I	29/11/2012	20.43	01/12/2012	07.41	Over Voltage.
Karad - Kolhapur - II	30/11/2012	20.18	01/12/2012	10.28	Over Voltage.
Karad - Kolhapur - II	01/12/2012	17.00		Continued.	Over Voltage.
Karad - Kolhapur - I	01/12/2012	20.46	02/12/2012	07.00	Over Voltage.
Lonikand- Koyna Stage IV	01/12/2012	21.40	02/12/2012	07.32	Over Voltage.
Bhusawal- Aurangabad	02/12/2012	19.08		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.
Khadka-Deepnagar-I	30/11/2012	18.40	01/12/2012	10.35	VT relay of M.B-I burnt.Line is ready for charging at 19.56 hrs.
Padghe-BBLSR-I	02/12/2012	02.46	02/12/2012	07.07	Over Voltage.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Washi	02/12/2012	17.46	02/12/2012	18.06	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	135
	620	255
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	350
Unit 5	500	0
	1420	530
Parli		
Unit 3	210	160
Unit 4	210	0
Unit 5	210	165
Unit 6	250	0
Unit 7	250	175
	1130	500
Chandrapur		
Unit 1	210	135
Unit 2	210	0
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1885
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	200
Unit 4	210	0
Unit 5	210	190
	630	390
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	240
	1920	930
Hydro		
KDPH	40	20
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	278
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	5319
	3455	5319