



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Dec/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.660	1694.870	1) Gujrat	7.952	85.768
2) Hydro	5.548	204.111	2) Madhya Pradesh	18.701	307.651
3) Gas	11.993	208.484	3) Chattisgarh	13.240	210.260
Total MSGENCO	144.201	2107.465	4) Maharashtra	48.649	787.263
B) OTHERS			5) Goa	-6.970	-93.826
1) JSW JAIGAD	21.158	364.452	6) TAPS 1&2 Injection	7.802	114.333
2) WPCL	8.683	116.641	7) RGPPL Injection	26.217	432.253
3) Other CPP / IPP	7.596	107.243	8) Pench (Excess)	-0.634	-6.748
4) Wind Generation	3.840	37.911	# Total Cent. Sector	114.957	1836.954
5) PENCH (MS)	0.634	6.748	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.698	-125.623
1) TPCL Thermal	27.019	429.191	G) Bilateral Power *		
2) TPCL Hydro	4.597	54.593	1) MSEDCL Bilateral	37.404	576.851
TOTAL TPCL	31.616	483.784	Include PX	2.468	52.690
3) REL Thermal	12.636	175.159	2) MUMBAI Bilateral	11.214	175.573
D) STATE			Include PX	0.051	8.422
1) Thermal (A1+C1+C3)	166.315	2299.220	3) MUMBAI Schedule	11.214	185.153
2) Hydro (A2+B5+C2)	10.779	265.452	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.993	208.484	1) MSEDCL	293.371	4451.791
4) Wind (B4)	3.840	37.911	2) TPCL	35.088	528.259
5) CPP (B1+B2+B3)	37.437	588.336	3) REL	16.861	256.259
TOTAL STATE	230.364	3399.403	TOTAL STATE	345.320	5236.309

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5301	5333	5016
MSGENCO Hydro	500	307	119
MSGENCO Gas	508	500	490
MSGENCO Total Generation	6309	6140	5625
Central Sector Receipt	5258	5033	4406
WIND	76	108	238
CPP / IPP	1593	1596	1436
Exchange with Mumbai	-331	-473	-143
MSEDCL DEMAND MET	12955	12447	11562
Load Shedding (LS)	1979	1201	381
MSEDCL DEMAND (INCL. LS)	14934	13648	11943
TPCL GENERATION	1748	1613	856
REL GENERATION	526	526	527
TPCL+REL DEMAND	2605	2612	1526
STATE DEMAND MET	15560	15059	13088
Load Management (LM)	2544	3883	1676
Total Load Relief (LS+LM)	4523	5084	2057
UNRESTRICTED STATE DEMAND	20083	20143	15145
Frequency (Hz)	49.49	49.62	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 05.05 Hrs	49.08 Hz at 17.14 Hrs	49.68	1.62 % 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 15/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.47	47.59	159	124	155
Unit 6	3.58	37.22	175	119	150
Unit 7	3.90	54.41	175	140	170
Total	10.96	139.22			475
Bhusawal					
Unit 2	3.98	47.21	190	130	160
Unit 3	4.18	62.59	190	150	180
Unit 4	0.00	0.00	0	0	
Total	8.15	109.80			340
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.41	61.34	189	180	180
Unit 5	2.85	41.39	132	100	122
Unit 6	5.10	59.32	250	179	200
Unit 7	4.36	68.23	237	106	200
Total	16.72	230.29			702
Chandrapur					
Unit 1	3.73	56.04	161	152	160
Unit 2	3.78	39.14	172	120	170
Unit 3	4.21	63.16	188	159	185
Unit 4	5.01	73.54	211	204	210
Unit 5	10.56	128.11	450	420	450
Unit 6	8.49	60.51	405	167	350
Unit 7	8.97	139.19	386	355	400
Total	44.75	559.69			1925
Paras					
Unit 3	4.14	60.21	203	152	160
Unit 4	4.15	60.89	209	155	160
Total	8.30	121.10			320
Khaparkheda					
Unit 1	4.51	65.72	205	170	190
Unit 2	4.32	63.11	194	150	190
Unit 3	4.96	71.44	217	180	200
Unit 4	4.85	69.28	217	170	200
Unit 5	4.93	55.13	253	151	
Total	23.56	324.67			780
Nasik					
Unit 3	5.10	71.58	220	200	210
Unit 4	4.83	72.48	210	191	210
Unit 5	4.29	66.02	193	160	180
Total	14.21	210.09			600
Uran					
All Units	11.99	208.48	510	480	470
Total	11.99	208.48			470
PENCH (MS)					
Pench (MS)	0.63	6.75	53	0	
Total	0.63	6.75			
Koyna					
Stage 1-2	1.78	59.08	315	40	600
Stage 4	0.00	68.69	0	0	250
Stage 3	0.20	27.51	86	0	240
Total	1.98	155.27			1090
Kovna 12&4 Total	1.78	127.77			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	5.73	0	0	0
VTRNA	0.00	0.40	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.10	2.60	5	4	5
BHIRA T.R.	0.21	3.03	81	0	80
RNGR+BHTSA	0.40	5.63	17	16	17
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	2.86	16	13	15
SMLHY PTN	0.78	14.00	41	29	11
GHATGHAR	1.74	14.59	250	0	
Total	3.57	48.84			128
Wind					
MalharPeth	0.30	2.16			
Vankuswadi	0.60	4.40			
ATIT	0.06	0.74			
Kale	0.17	1.37			
Satara	0.36	6.31			
Shirala	0.18	1.50			
K Mahankal	0.87	3.63			
Supa	0.06	0.88			
Vita	0.56	6.22			
Dondaicha	0.42	6.15			
Sakri	0.02	0.60			
Nandurbar	0.04	0.63			
Khandke	0.13	1.93			
Khaparale	0.08	1.38			
Total	3.84	37.91			
CPP					
JSW JAIGAD	21.16	364.45	912	765	825
WARDHA	8.68	116.64	367	349	363
Other CPPs	7.60	107.24			
Total	37.44	588.34			1188
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.94	170.80	502	283	490
Trombay 6	6.13	104.53	423	0	500
Trombay 7A	2.52	40.80	126	71	120
Trombay 7B	1.46	22.88	67	52	60
Trombay 8	5.98	90.18	254	221	250
TATA Hydro	4.60	54.59	459	0	447
Total	31.62	483.78			1867
REL					
1&2	12.64	175.16	528	523	500
Total	12.64	175.16			500
Cent Sect					
Share					5084
Total					5084

MS PG CL	Thermal	126.66	1694.87			5142
	Thml+Gas	138.65	1903.35			5612
	Hydro	5.55	204.11			1218
	Total	144.20	2107.46			6830
State Total		230.36	3399.40			15469

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Dec/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4978	102	505	5585	204	1436	4758	4906	-358	-197	11934	2116	12108	1750	15800	49.79
2	5029	109	505	5643	216	1428	4757	4585	-365	-167	11705	2240	12040	1599	15544	49.94
3	5016	119	490	5625	238	1436	4716	4406	-323	-143	11562	2057	11943	1526	15145	49.93
4	5102	108	490	5700	254	1458	4690	4420	-296	-86	11746	2241	12134	1469	15456	49.93
5	5146	110	480	5736	277	1560	4680	4550	-285	-58	12065	2274	12431	1453	15792	49.85
6	5253	173	480	5906	302	1580	4711	4706	-195	-43	12461	2620	13068	1548	16629	49.72
7	5441	133	498	6072	293	1588	4776	4397	-280	-96	12279	3641	13621	1715	17635	49.48
8	5501	119	505	6125	233	1586	4828	4807	-315	-220	12556	3989	13945	1861	18406	49.54
9	5458	223	500	6181	170	1596	4874	4839	-363	-261	12551	4189	13985	2071	18811	49.48
10	5485	336	501	6322	155	1593	4920	4797	-411	-312	12580	4644	14510	2400	19624	49.56
11	5323	273	508	6104	141	1599	5183	5033	-506	-360	12570	4518	14571	2597	19685	49.43
12	5301	500	508	6309	76	1593	5217	5258	-572	-331	12955	4523	14934	2605	20083	49.49
13	5340	383	508	6231	45	1587	5237	5184	-609	-370	12727	4633	14816	2581	19941	49.55
14	5375	284	505	6164	33	1555	5259	5687	-606	-456	13033	4244	14778	2539	19816	49.67
15	5298	578	510	6386	31	1597	5307	5201	-626	-519	12743	3913	14341	2589	19245	49.58
16	5312	567	500	6379	28	1600	5296	5038	-615	-474	12618	3949	14390	2596	19163	49.56
17	5349	237	500	6086	33	1573	4945	4523	-577	-438	11798	4532	13713	2589	18919	49.64
18	5279	119	500	5898	44	1594	4855	4490	-487	-332	11694	4560	13143	2543	18797	49.54
19	5333	307	500	6140	108	1596	5059	5033	-606	-473	12447	5084	13648	2612	20143	49.62
20	5277	310	500	6087	167	1594	5092	4989	-601	-419	12471	4809	13342	2577	19857	49.70
21	5284	122	500	5906	201	1570	5092	4822	-601	-430	12120	4518	12727	2458	19096	49.73
22	5300	122	500	5922	194	1587	5063	4311	-572	-533	11506	4254	11877	2275	18035	49.89
23	5268	107	500	5875	193	1590	5004	4481	-547	-543	11622	3767	11894	2084	17473	49.78
24	5212	107	500	5819	204	1541	4871	4503	-498	-437	11637	3072	11737	1913	16622	49.93
MUs	126.6 6	5.55	11.99	144.20	3.84	37.44	119.19	114.97	-11.21	-7.70	293.38	90.39	319.70	51.95	435.72	49.68

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 15/Dec/2011

Position as on 6.30 Hrs of 16/Dec/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/12/2011
CPP JSW (J) U2	300	10/12/2011	23:30		Continued.	Annual Shutdown	27/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	20/12/2011
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(V) 9	500	14/12/2011	00.11		Continued.	Boiler Tube Leakage	
Koyna ST - IV 4	250	14/12/2011	23.00		Continued.	Generator Air Cooler Leakage and T/F Oil Leakage	16/12/2011
Koyna Unit 9	80	15/12/2011	00.00		Continued.	Generator Stop Guide Bearing Temp.Meter replacement	17/12/2011
Koyna ST-IV 2	250	15/12/2011	08.30	15/12/2011	11.00	Preventive Maintenance.	
Koyna Unit 7	80	15/12/2011	12.05	15/12/2011	15.10	Oil Leakage.	
Tata Trombay 6	500	15/12/2011	20.54	15/12/2011	23.48	Drum Level Low.	
Bhusawal Unit 3	210	16/12/2011	04.35		Continued.	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2011

Position as on 6.30 Hrs of 16/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Tillary-Amona	15/12/2011	08.57	15/12/2011	19.19	Bus Maintenance Work @ Tillary.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	07/11/2011	16.42		Continued.	Hand Tripped
Dhule - S'Sarovar- II	14/12/2011	10.08		Continued.	Over Voltage
Kolhapur - Mapusa - I	15/12/2011	00.07	15/12/2011	09.13	Over Voltage
Kolhapur-Mapusa-II	15/12/2011	21.00		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
80 MVAR Reactor @ Kharghar	13/12/2011	09.45		Continued.	Replacement of Bushing(upto 17/12/2011)
Lonikand - Jejuri	15/12/2011	08.06	15/12/2011	17.14	Attending Hot Spot.
400/220 KV 315 MVA ICT-II @ Chakan	15/12/2011	10.06	15/12/2011	16.34	To Attend Red Hot.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 11/12/2011
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 14/12/2011).
220/100KV 200 MVA ICT III at Borivali	13/12/2011	12.30		Continued.	Air Leakage problem of Breaker(Taken on TBC)
Bus section at 220KV Chinchwad.	15/12/2011	06.40	15/12/2011	17.56	Commissioning 220KV Hybrid Pass Bus Sectionlizer.
Lonikand-Khadki	15/12/2011	08.48	15/12/2011	16.40	Making LILO Arrangment.
Halkarni -Tillary	15/12/2011	08.55	15/12/2011	19.10	Bus Maintenance Work @ Tillary.
220 KV Bus @ Tillary	15/12/2011	08.57	15/12/2011	19.10	Replacement of Air Blast C B by SF6 Breaker.
Bus Coupler @ Varsoa	15/12/2011	09.08	15/12/2011	13.57	Annual Maint.Work.
Padgha-Temghar I	15/12/2011	09.32	15/12/2011	19.06	Red Hot Y Ph. C T Clamp.
Theur - Magarpatta	15/12/2011	10.15	15/12/2011	13.55	Bus Outage @ Magarpatta Shifted on TBC.
Bus Section at Maggerpatta	15/12/2011	10.25	15/12/2011	13.31	Isolator Maintenance.
Virur - Gadhchiroli	15/12/2011	10.30	15/12/2011	15.05	Measurment of Tan Delta of C T.
220/132 KV,100 MVA ICT At Hinganghat	15/12/2011	11.30	15/12/2011	16.42	Measurment of Tan Delta of C T.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2011

Position as on 6.30 Hrs of 16/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132KV 200 MVA ICT I at Chalisgaon	15/12/2011	12.33	15/12/2011	18.41	Tandelta Mesurment of Bushing, C T SFRA Testing & Maint.Work.
BBLSR-Chalisgaon	15/12/2011	13.39		Continued.	Converting S/C to D/C.
Wardha-Badnera	15/12/2011	18.10	15/12/2011	19.07	To Attend Oil Leakage of C V T.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buchholtz alarm problem.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Karad - Kolhapur - II	14/12/2011	16.24	15/12/2011	09.03	Over Voltage
Bhusawal- Aurangabad	14/12/2011	21.26	15/12/2011	05.56	Over Voltage
Bhusawal- Aurangabad	15/12/2011	20.30		Continued.	Over Voltage.
Karad - Kolhapur - I	16/12/2011	00.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	09/12/2011	01.44		Continued.	Hand trip.
Padgha - Temghar - II	13/12/2011	20.35	15/12/2011	09.27	H/T due to Bus Fault
Voltage Level : 400KV			Outage Type TRIPPED		
Main Ckt Breaker of Dhule -SSP-I at Dhule	30/11/2011	17.00		Continued.	B Phase Main C.B.Burst at Dhule(Charged through TBC on
400/220KV 315 MVA ICT-II @ Padgha	15/12/2011	09.45	15/12/2011	18.13	B Ph.Tershary L A Burst.
New Koyna - Stage IV	15/12/2011	16.20	15/12/2011	18.52	Over Voltage.
400/220KV,315MVA ICT-I at Karad	15/12/2011	18.00	15/12/2011	18.24	No Indication.
Karad - Newkoyna - I	15/12/2011	18.00	15/12/2011	18.16	No Indication.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Amalner-Deepnagar	15/12/2011	05.55	15/12/2011	08.25	Distance Protection Operated Z-I Y Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	120
Unit 7	210	160
	620	400
Bhusawal		
Unit 2	210	180
Unit 3	210	0
Unit 4	500	
	920	180
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	130
Unit 6	250	185
Unit 7	250	60
	1130	555
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	385
	2340	1965
Paras		
Unit 3	250	190
Unit 4	250	190
	500	380
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	820
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	180
	630	600
Uran		
All Units	852	500
	852	500
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	127
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	363
Other CPPs	0	
	1005	1188
Tata		
Trombay 4	150	0
Trombay 5	500	495
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1872
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5149
	3455	5149