



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Dec/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.300	3331.223	1) Gujrat	8.671	196.297
2) Hydro	9.495	361.825	2) Madhya Pradesh	19.971	594.126
3) Gas	13.380	379.977	3) Chattisgarh	13.800	391.160
Total MSGENCO	135.175	4073.025	4) Maharashtra	44.751	1426.854
B) OTHERS			5) Goa	-5.692	-176.112
1) JSW JAIGAD	16.010	631.384	6) TAPS 1&2 Injection	7.849	219.426
2) WPCL	8.233	211.667	7) RGPPL Injection	25.820	799.314
3) Other CPP / IPP	4.530	188.350	8) Pench (Excess)	-0.142	-13.069
4) Wind Generation	3.394	79.574	# Total Cent. Sector	115.028	3437.996
5) PENCH (MS)	0.559	15.033	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-2.333	-189.386
1) TPCL Thermal	26.334	803.687	G) Bilateral Power *		
2) TPCL Hydro	3.547	100.773	1) MSEDCL Bilateral	33.717	1064.209
TOTAL TPCL	29.881	904.460	Include PX	2.842	95.524
3) REL Thermal	12.683	351.932	2) MUMBAI Bilateral	6.132	292.454
D) STATE			Include PX	-3.304	-7.803
1) Thermal (A1+C1+C3)	151.317	4486.842	3) MUMBAI Schedule	6.132	302.034
2) Hydro (A2+B5+C2)	13.601	477.631	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.380	379.977	1) MSEDCL	280.596	8447.643
4) Wind (B4)	3.394	79.574	2) TPCL	30.335	974.105
5) CPP (B1+B2+B3)	28.773	1031.401	3) REL	14.559	471.597
TOTAL STATE	210.465	6455.425	TOTAL STATE	325.490	9893.345

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	4805	4663	4760
MSGENCO Hydro	712	536	163
MSGENCO Gas	561	558	560
MSGENCO Total Generation	6078	5757	5483
Central Sector Receipt	5328	5141	3922
WIND	163	119	135
CPP / IPP	1231	1164	1192
Exchange with Mumbai	-178	-288	108
MSEDCL DEMAND MET	12645	11930	10840
Load Shedding (LS)	1886	1000	318
MSEDCL DEMAND (INCL. LS)	14531	12930	11158
TPCL GENERATION	1630	1521	811
REL GENERATION	528	527	528
TPCL+REL DEMAND	2336	2336	1231
STATE DEMAND MET	14981	14266	12071
Load Management (LM)	2402	3594	1563
Total Load Relief (LS+LM)	4288	4594	1881
UNRESTRICTED STATE DEMAND	19269	18860	13952
Frequency (Hz)	49.70	49.73	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 06.03 Hrs	49.23 Hz at 07.34 Hrs	49.8	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 29/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5		73.32	0	0	0
Unit 6	2.88	80.71	135	105	120
Unit 7	4.25	108.34	186	165	185
Total	7.13	262.36			305
Bhusawal					
Unit 2	4.48	90.40	195	170	180
Unit 3	4.13	120.30	190	125	190
Unit 4		0.00	0	0	
Total	8.60	210.70			370
Parli					
Unit 3		0.00	0	0	0
Unit 4	3.62	119.51	169	135	155
Unit 5	2.86	83.55	140	97	122
Unit 6	4.81	122.58	236	105	200
Unit 7	4.20	115.69	223	0	180
Total	15.48	441.33			657
Chandrapur					
Unit 1	3.59	105.41	154	146	160
Unit 2	3.59	89.54	159	136	160
Unit 3	4.56	122.69	192	186	185
Unit 4	5.04	141.98	212	202	210
Unit 5	5.62	273.34	470	0	450
Unit 6	10.47	205.63	472	415	450
Unit 7	0.00	215.42	0	0	0
Total	32.87	1154.00			1615
Paras					
Unit 3	4.90	120.37	246	164	201
Unit 4	5.02	120.78	239	174	201
Total	9.92	241.15			402
Khaparkheda					
Unit 1	4.66	130.08	210	170	200
Unit 2	4.41	124.50	187	180	190
Unit 3	5.18	140.86	222	204	210
Unit 4	4.62	137.69	219	167	210
Unit 5	5.15	79.01	352	0	
Total	24.03	612.14			810
Nasik					
Unit 3	4.79	140.13	220	140	210
Unit 4	4.95	140.25	210	198	210
Unit 5	4.53	129.15	195	178	190
Total	14.27	409.53			610
Uran					
All Units	13.38	379.98	567	546	550
Total	13.38	379.98			550
PENCH (MS)					
Pench (MS)	0.56	15.03	53	0	
Total	0.56	15.03			
Koyna					
Stage 1-2	2.09	103.29	300	40	600
Stage 4	0.37	94.55	203	0	250
Stage 3	0.58	43.53	214	0	320
Total	3.04	241.38			1170
Kovna 12&4 Total	2.46	197.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.29	9.54	20	0	18
VTRNA	0.94	9.48	61	0	61
TILLARI	0.38	2.05	60	0	60
BHTGR/VEER	0.06	4.79	3	2	2
BHIRA T.R.	0.18	5.62	84	0	80
RNGR+BHTSA	0.40	11.10	17	16	16
BHANDARDRA	0.74	4.69	31	30	26
ELDARY	0.31	7.45	14	12	13
SMLHY PTN	1.09	26.44	53	42	13
GHATGHAR	2.06	39.29	240	0	
Total	6.45	120.45			289
Wind					
MalharPeth	0.14	4.85			
Vankuswadi	0.32	9.88			
ATIT	0.04	2.23			
Kale	0.13	3.11			
Satara	0.84	14.07			
Shirala	0.13	3.33			
K Mahankal	0.02	5.89			
Supa	0.06	1.61			
Vita	0.65	12.06			
Dondaicha	0.69	13.42			
Sakri	0.07	1.31			
Nandurbar	0.06	1.39			
Khandke	0.16	3.78			
Khaparale	0.08	2.64			
Total	3.39	79.57			
CPP					
JSW JAIGAD	16.01	631.38	755	558	730
WARDHA	8.23	211.67	370	327	365
Other CPPs	4.53	188.35			
Total	28.77	1031.40			1095
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.66	322.26	502	283	500
Trombay 6	5.50	188.38	374	155	500
Trombay 7A	2.97	79.47	131	101	120
Trombay 7B	1.63	43.85	70	61	60
Trombay 8	5.58	169.72	251	171	250
TATA Hydro	3.55	100.77	392	0	447
Total	29.88	904.46			1877
REL					
1&2	12.68	351.93	530	527	500
Total	12.68	351.93			500
Cent Sect					
Share					4804
Total					4804

MS PG CL	Thermal	112.30	3331.22			4769
	Thml+Gas	125.68	3711.20			5319
	Hydro	9.50	361.82			1459
	Total	135.18	4073.02			6778
State Total		210.46	6455.42			15054

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	4376	172	554	5102	80	1153	4403	4676	-164	-35	10976	1997	11143	1425	14398	49.87
2	4551	167	556	5274	103	1209	4329	4227	-97	42	10855	2081	11132	1299	14235	50.07
3	4760	163	560	5483	135	1192	4304	3922	-71	108	10840	1881	11158	1231	13952	50.07
4	4904	177	546	5627	133	1167	4315	3936	-65	134	10997	2137	11325	1205	14339	50.04
5	4826	162	550	5538	125	1171	4319	4235	-65	145	11214	2195	11554	1195	14604	49.95
6	4879	167	550	5596	124	1235	4330	4486	20	147	11588	2521	12141	1311	15420	49.77
7	4991	167	548	5706	145	1251	4396	4397	-33	174	11696	3561	12987	1429	16686	49.78
8	5008	166	563	5737	190	1229	4706	4591	-132	64	11836	3994	13253	1565	17395	49.69
9	5014	404	554	5972	153	1227	4757	4955	-185	-108	12226	4069	13697	1848	18143	49.64
10	4905	506	567	5978	161	1272	4814	4930	-259	-246	12147	4404	14045	2161	18712	49.64
11	4746	590	561	5897	185	1273	5025	5130	-356	-204	12334	4436	14355	2317	19087	49.67
12	4805	712	561	6078	163	1231	5054	5328	-388	-178	12645	4288	14531	2336	19269	49.70
13	4474	937	562	5973	115	1286	5072	5201	-407	-194	12406	4347	14351	2278	19031	49.72
14	4474	786	559	5819	84	1223	5036	5530	-370	-187	12494	3994	14131	2220	18708	49.90
15	4473	713	554	5740	74	1217	5113	5524	-349	-197	12383	3650	13862	2237	18270	49.73
16	4490	681	548	5719	67	1225	5135	5560	-371	-181	12415	3682	14036	2230	18327	49.77
17	4576	521	555	5652	67	1231	4765	4803	-442	-219	11559	4261	13395	2229	18049	49.78
18	4636	217	565	5418	102	1208	4673	4574	-349	-230	11097	4138	12375	2233	17468	49.85
19	4663	536	558	5757	119	1164	4853	5141	-412	-288	11930	4594	12930	2336	18860	49.73
20	4680	566	558	5804	128	1166	4918	5187	-407	-244	12094	4391	12843	2323	18808	49.76
21	4642	360	564	5566	193	1146	4810	4942	-392	-209	11690	4185	12257	2149	18024	49.81
22	4547	222	563	5332	195	1107	4764	4805	-339	-205	11260	4025	11692	1972	17257	49.77
23	4486	218	562	5266	260	1105	4626	4432	-286	-172	10918	3556	11282	1776	16250	49.63
24	4394	185	562	5141	293	1085	4434	4519	-211	-50	10999	2870	11283	1592	15461	49.81
MUs	112.30	9.50	13.38	135.18	3.39	28.77	112.95	115.03	-6.13	-2.33	280.60	85.26	305.76	44.90	410.75	49.80

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 29/Dec/2011

Position as on 6.30 Hrs of 30/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	30/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	30/12/2011
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	A/OH.	14/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	A/OH.	14/01/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	30/12/2011
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	30/12/2011
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	
Uran Unit 5	108	19/12/2011	15.35	30/12/2011	00.30	Bearing vibration.	
Chandrapur Unit 7	500	24/12/2011	21.42		Continued.	HP heater pipe line leakage.	31/12/2011
Koradi Unit 5	200	27/12/2011	13:05		Continued.	I D FAN Problem.	30/12/2011
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
CPP JSW (J) U2	300	28/12/2011	21.00		Continued.	Boiler Valve Gland Leakage	30/12/2011
Khaparkheda Unit 5	500	28/12/2011	22.11	29/12/2011	01.14	Main Oil Tank Level Low	
Parli Unit 7	250	28/12/2011	22.47	29/12/2011	01.09	Flame Failure	
Chandrapur Unit 5	500	29/12/2011	12.13		Continued.	Emergency Supply Fail.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Dec/2011

Position as on 6.30 Hrs of 30/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur-Boisor-II	29/12/2011	00.00	29/12/2011	16.30	Tarapur-Borivali temporary reconfigured as Tarapur-Boisar ckt-II.
Halkarni-Amona I	29/12/2011	07.20	29/12/2011	19.28	Replacement of Insulator String.
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	09/12/2011	16.41		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	16/12/2011	22.06	29/12/2011	01.52	Over Voltage
Chandrapur-Bhadravti - I	25/12/2011	22.48		Continued.	Over Voltage.
Kolhapur - Mapusa - I	28/12/2011	16.27	29/12/2011	11.29	Over Voltage
Dhule-S'Sarovar I	28/12/2011	17.01	29/12/2011	11.21	Over Voltage
Parly(PG)- Solapur(PG) - II	28/12/2011	17.32		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	29/12/2011	16.53		Continued.	Over Voltage.
Kolhapur - Mapusa - II	29/12/2011	21.33		Continued.	Over Voltage.
Wardha - Akola - I	29/12/2011	21.45		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	29/12/2011	23.34		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	29/12/2011	23.19		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.
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.up to 04.01.2012
400/220 KV 315 MVA ICT - II @ Parli	29/12/2011	08.27	29/12/2011	22.09	Replacement of All Three Bus Side Jumper
400/220 KV 315 MVA ICT II @ Jejuri	29/12/2011	14.16	29/12/2011	17.06	Attend CTR Leakages.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 30/12/2011
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 30/12/2011).
Bus Bar Protection at Parli (GCR)	24/12/2011	14.42		Continued.	Commissioning of New bus bar protection.
220/15.75KV 250 MVA GT III @ Parly-I	26/12/2011	12.32		Continued.	Replacement of CT and PT.
220/6.6kv Stn. T/F NO.IV @ KORADI	28/12/2011	10.41		Continued.	Commissioning of SCADA Scheme
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Girwali - Parbhani	29/12/2011	07.41	29/12/2011	20.37	Stringing Work.
Parli Ext.-Nanded	29/12/2011	07.46	29/12/2011	20.35	Stringing Work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Dec/2011

Position as on 6.30 Hrs of 30/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Sahara-Urse	29/12/2011	08.14	29/12/2011	20.29	Tandelta Measurment Work.
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
220/100 KV 200 MVA ICT - IV @ Padgha.	29/12/2011	09.14	29/12/2011	12.01	Relay Retrofitting Work.
Jejuri-Phursungi	29/12/2011	09.21	29/12/2011	17.26	Quaerterly Maint.
Baramati-Kurkumbh	29/12/2011	09.35	29/12/2011	18.15	Fixing of Vibration Dumpers.
Bhosari-Telco	29/12/2011	10.03	29/12/2011	17.26	Tandelta Measurment & Q.M.Work.
Pedambe-Mahad	29/12/2011	10.30	29/12/2011	15.41	Replacement of Insulator.
Lonikand-Theur - I	29/12/2011	10.34	29/12/2011	12.58	Attending Hot Spot.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Kalwa-Kalyan	29/12/2011	13.30	29/12/2011	16.30	Replacement of Conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	27/12/2011	16.36		Continued.	Over Voltage
Karad - Kolhapur - I	28/12/2011	21.47	29/12/2011	08.55	Over Voltage
Karad-Kolhapur-II	29/12/2011	16.22		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
Girawli - New Parly TPS	29/12/2011	20.34	29/12/2011	23.22	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole-I	29/12/2011	12.34	29/12/2011	13.34	Mal Operation During Testing Work.
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
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).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	185
	620	315
Bhusawal		
Unit 2	210	150
Unit 3	210	180
Unit 4	500	
	920	330
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	125
Unit 6	250	180
Unit 7	250	180
	1130	635
Chandrapur		
Unit 1	210	160
Unit 2	210	145
Unit 3	210	185
Unit 4	210	210
Unit 5	500	0
Unit 6	500	430
Unit 7	500	0
	2340	1130
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	810
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	550
	852	550
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	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	611	271
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	985
WARDHA	405	365
Other CPPs	0	
	1005	1350
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4914
	3455	4914