



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jan/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jan/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.398	3084.134	1) Gujrat	4.597	147.005
2) Hydro	8.588	266.626	2) Madhya Pradesh	18.074	556.701
3) Gas	11.454	366.866	3) Chattisgarh	12.260	334.360
Total MSGENCO	137.440	3717.626	4) Maharashtra	41.383	1297.571
B) OTHERS			5) Goa	-5.339	-148.669
1) JSW JAIGAD	26.296	617.349	6) TAPS 1&2 Injection	7.762	208.676
2) WPCL	7.110	205.199	7) RGPPL Injection	24.924	672.901
3) Other CPP / IPP	6.620	181.291	8) Pench (Excess)	-0.280	-9.096
4) Wind Generation	3.050	93.363	# Total Cent. Sector	103.381	3059.449
5) PENCH (MS)	0.280	11.379	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.495	-156.151
1) TPCL Thermal	19.372	562.720	G) Bilateral Power *		
2) TPCL Hydro	6.204	116.126	1) MSEDCL Bilateral	34.655	1025.243
TOTAL TPCL	25.576	678.846	Include PX	0.000	57.033
3) REL Thermal	12.143	321.673	2) MUMBAI Bilateral	8.544	210.766
D) STATE			Include PX	-3.164	-94.149
1) Thermal (A1+C1+C3)	148.913	3968.527	3) MUMBAI Schedule	8.544	216.009
2) Hydro (A2+B5+C2)	15.072	394.131	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.454	366.866	1) MSEDCL	277.682	7729.505
4) Wind (B4)	3.050	93.363	2) TPCL	29.666	774.091
5) CPP (B1+B2+B3)	40.026	1003.839	3) REL	14.547	382.601
TOTAL STATE	218.515	5826.726	TOTAL STATE	321.895	8886.197

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4802	5242	4563
MSGENCO Hydro	605	366	145
MSGENCO Gas	456	478	487
MSGENCO Total Generation	5863	6086	5195
Central Sector Receipt	5120	4674	3752
WIND	150	166	64
CPP / IPP	1778	1812	1352
Exchange with Mumbai	-473	-389	-193
MSEDCL DEMAND MET	12438	12402	10170
Load Shedding (LS)	1853	1	2
MSEDCL DEMAND (INCL. LS)	14291	12403	10172
TPCL GENERATION	1339	1377	535
REL GENERATION	528	528	386
TPCL+REL DEMAND	2340	2294	1114
STATE DEMAND MET	14778	14696	11284
Load Management (LM)	2680	3949	12
Total Load Relief (LS+LM)	4533	3950	14
UNRESTRICTED STATE DEMAND	19311	18646	11298
Frequency (Hz)	49.82	49.80	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.56 Hz at 05.05 Hrs	49.3 Hz at 09.12 Hrs	49.88	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 27/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.53	49.35	168	67	150
Unit 6	3.86	40.07	170	136	160
Unit 7	4.39	108.82	195	155	180
Total	11.78	198.24			490
Bhusawal					
Unit 2	3.02	92.62	180	0	180
Unit 3	4.20	113.85	185	160	180
Unit 4	0.00	0.00	0	0	
Total	7.22	206.46			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.44	117.07	200	166	200
Unit 5	3.66	76.55	169	126	155
Unit 6	0.00	97.22	0	0	0
Unit 7	5.44	102.96	245	179	180
Total	13.54	393.80			535
Chandrapur					
Unit 1	3.66	98.30	156	147	160
Unit 2	2.71	90.12	157	55	65
Unit 3	4.05	102.73	182	151	170
Unit 4	4.78	134.59	203	190	210
Unit 5	11.32	206.10	480	460	475
Unit 6	9.44	277.48	425	375	375
Unit 7	10.88	264.63	472	438	450
Total	46.84	1173.95			1905
Paras					
Unit 3	6.01	150.31	263	237	250
Unit 4	5.87	145.81	255	231	250
Total	11.88	296.11			500
Khaparkheda					
Unit 1	1.11	1.11	130	0	0
Unit 2	4.38	119.09	190	172	170
Unit 3	4.53	125.06	194	175	170
Unit 4	5.15	136.76	223	174	170
Unit 5	0.00	85.53	0	0	
Total	15.18	467.55			510
Nasik					
Unit 3	5.04	135.52	220	175	210
Unit 4	4.72	130.93	210	173	210
Unit 5	1.19	81.56	196	0	0
Total	10.96	348.01			420
Uran					
All Units	11.45	366.87	518	448	470
Total	11.45	366.87			470
PENCH (MS)					
Pench (MS)	0.28	11.38	53	0	
Total	0.28	11.38			
Koyna					
Stage 1-2	1.24	58.79	135	40	600
Stage 4	0.00	21.50	0	0	250
Stage 3	0.47	18.57	160	0	320
Total	1.71	98.86			1170
Kovna 12&4 Total	1.24	80.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	12.67	20	19	20
VTRNA	1.00	26.11	61	0	60
TILLARI	0.37	10.75	60	0	60
BHTGR/VEER	0.13	11.49	6	5	5
BHIRA T.R.	0.29	6.39	81	0	80
RNGR+BHTSA	0.34	9.71	15	14	15
BHANDARDRA	0.73	7.98	48	14	30
ELDARY	0.33	3.74	15	13	
SMLHY PTN	1.02	27.74	51	39	26
GHATGHAR	2.20	51.18	250	0	
Total	6.88	167.77			296
Wind					
MalharPeth	0.20	4.02			
Vankuswadi	0.32	6.66			
ATIT	0.04	1.77			
Kale	0.15	2.37			
Satara	0.29	12.27			
Shirala	0.13	2.64			
K Mahankal	0.58	5.76			
Supa	0.10	2.22			
Vita	0.42	12.83			
Dondaicha	0.45	27.10			
Sakri	0.06	3.77			
Nandurbar	0.03	2.54			
Khandke	0.14	5.35			
Khaparale	0.14	4.06			
Total	3.05	93.36			
CPP					
JSW JAIGAD	26.30	617.35	1195	877	1075
WARDHA	7.11	205.20	334	230	330
Other CPPs	6.62	181.29			
Total	40.03	1003.84			1405
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	9.02	195.08	502	157	500
Trombay 7A	3.08	76.84	132	124	120
Trombay 7B	1.66	43.09	70	69	60
Trombay 8	5.60	150.43	251	176	250
TATA Hydro	6.20	116.13	444	0	447
Total	25.58	678.85			1377
REL					
1&2	12.14	321.67	529	386	500
Total	12.14	321.67			500
Cent Sect					
Share					5036
Total					5036

MS PG CL	Thermal	117.40	3084.13			4720
	Thml+Gas	128.85	3451.00			5190
	Hydro	8.59	266.63			1466
	Total	137.44	3717.63			6656
State Total		218.52	5826.73			14974

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Jan/2012

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	4777	150	480	5407	63	1461	4286	3676	-176	-223	10384	12	10384	1287	11683	50.08
2	4686	145	480	5311	54	1357	4242	3833	-186	-204	10351	13	10352	1164	11528	50.22
3	4563	145	487	5195	64	1352	4222	3752	-313	-193	10170	14	10172	1114	11298	50.04
4	4593	167	488	5248	86	1352	4029	3697	-193	-163	10220	22	10227	1085	11327	49.98
5	4628	194	487	5309	96	1447	4166	3894	-212	-163	10583	839	10603	1105	12527	50.04
6	4769	179	486	5434	114	1579	4243	3851	-15	-39	10939	1875	10993	1243	14057	50.05
7	4814	179	487	5480	124	1734	4532	4303	-96	-13	11639	2499	11787	1438	15576	49.82
8	4850	416	491	5757	128	1774	4620	4712	-197	-65	12329	3653	13297	1624	17606	49.73
9	4822	647	477	5946	67	1785	4681	4544	-276	-200	12144	4026	13503	1887	18057	49.70
10	4690	782	478	5950	68	1778	4966	4824	-428	-342	12278	4599	14111	2153	19030	49.60
11	4755	688	470	5913	110	1774	5233	4878	-588	-479	12196	4604	14159	2330	19130	49.71
12	4802	605	456	5863	150	1778	5248	5120	-622	-473	12438	4533	14291	2340	19311	49.82
13	4823	496	460	5779	105	1787	5178	5036	-556	-422	12285	4474	14098	2321	19080	49.82
14	4788	490	460	5738	97	1783	5102	4962	-484	-376	12204	4051	13669	2221	18476	49.92
15	4823	494	462	5779	123	1786	4961	4975	-451	-355	12325	3779	13589	2219	18323	49.88
16	4956	482	466	5904	140	1792	4848	4755	-456	-354	12264	3716	13586	2223	18203	49.86
17	5023	320	471	5814	147	1797	4836	3941	-461	-321	11385	3913	12521	2216	17514	49.98
18	5063	221	479	5763	147	1817	4769	3901	-412	-304	11324	3499	11655	2198	17021	49.88
19	5093	323	476	5892	162	1818	4953	4399	-492	-401	11903	3906	11905	2276	18085	49.81
20	5242	366	478	6086	166	1812	5131	4674	-565	-389	12402	3950	12403	2294	18646	49.80
21	5274	336	496	6106	184	1755	5021	4028	-454	-269	11855	3950	11856	2166	17971	49.83
22	5255	256	518	6029	190	1617	4984	3676	-369	-197	11355	3949	11355	1979	17283	49.87
23	5182	248	448	5878	256	1603	4890	3954	-299	-278	11429	3283	11429	1790	16502	49.83
24	5127	259	473	5859	209	1488	4775	3997	-243	-272	11281	2707	11281	1541	15529	49.88
MUs	117.40	8.59	11.45	137.44	3.05	40.03	113.92	103.38	-8.54	-6.50	277.68	71.87	293.23	44.21	393.76	49.88

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 27/Jan/2012

Position as on 6.30 Hrs of 28/Jan/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	28/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	30/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37	27/01/2012	10.41	Annual Overhaul	
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
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(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
CPP WPCL U-4	135	21/01/2012	14.10		Continued.	Boiler Conseovator Problem.	
Khaparkheda Unit 5	500	22/01/2012	19.32		Continued.	Primary water low.	
Parli Unit 6	250	23/01/2012	13.06	28/01/2012	03.58	Boiler Tube Leakage.	
Nasik Unit 5	210	25/01/2012	22.00	27/01/2012	15.25	H.P.control valve problem.	
Uran Unit 6	108	27/01/2012	00.22	27/01/2012	22.57	Filter Replacement.	
Bhusawal Unit 2	210	27/01/2012	09.01	27/01/2012	14.52	I D Fan Trip.	
Khaparkheda Unit 1	210	27/01/2012	23.48	28/01/2012	03.54	Main Steam Temp.Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jan/2012

Position as on 6.30 Hrs of 28/Jan/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	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		
Parly(PG) - Wardha (PG) - I	11/01/2012	18.16		Continued.	Over Voltage.
Akola - Wardha - II	22/01/2012	21.58	27/01/2012	07.28	Over Voltage.
Kolhapur-Mapusa-II	23/01/2012	22.07		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	26/01/2012	01.35		Continued.	Over Voltage.
Akola - Aurangabad - I	26/01/2012	22.15		Continued.	Over Voltage.
Akola - Wardha - II	27/01/2012	21.53		Continued.	Over Voltage.
Dhule-S'Sarovar I	27/01/2012	23.08		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-III @ Lonikand.	25/01/2012	11.03		Continued.	To attend hot spot R ph.B bus isolator. (ICT taken on TBC.)
Main Bus- I @ Aurangabad	27/01/2012	11.03	27/01/2012	16.42	To Attend Damaged Jack Bus Conductor of Y & B Phase.
400/220KV 315 MVA ICT-I @ Padgha	27/01/2012	11.44	27/01/2012	16.33	Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
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
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator, line taken on TBC.Upto 04.02.2012
Chandrapur-Gadchandur	25/01/2012	13.23	27/01/2012	19.35	Retrofitting OD dist.prot. relay.
220/100KV 200MVA ICT-IV at Kalwa	27/01/2012	06.25	27/01/2012	18.40	100 KV Road Bus Side Outage @ Kalwa.
Karad-Wathar	27/01/2012	08.46	27/01/2012	17.27	Replacement of Insulator.
Bhusawal-Chalisgaon-I	27/01/2012	08.54	27/01/2012	18.13	Replacement of Disc Insulator String of B Ph.on Loc. No.170.
Kharghar-TSS-Panvel	27/01/2012	09.01	27/01/2012	17.33	Hot Spot & R.M.Work.
Kalwa - Siemens	27/01/2012	09.18	27/01/2012	17.12	SF 6 Gas Leakage & R.M.Work.
Karad-Pedambe	27/01/2012	09.19	27/01/2012	18.28	Replacement of Disc Insulator.
220/132 KV 200 MVA ICT - II @ Nanded	27/01/2012	10.10	27/01/2012	16.30	Routine Maint.& Clearance of Oil Leakage
Gadchandur-Virur-II	27/01/2012	12.35	27/01/2012	19.35	Retrofitting of Distance Scheme.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Kalwa-Reliable	27/01/2012	06.05	27/01/2012	18.43	100 KV Road Bus Side Outage @ Kalwa.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jan/2012

Position as on 6.30 Hrs of 28/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Kalwa-Standard	27/01/2012	06.05	27/01/2012	19.02	100 KV Road Bus Side Outage @ Kalwa
Kalwa-Nocil I	27/01/2012	06.05	27/01/2012	19.10	100 KV Road Bus Side Outage @ Kalwa
Kalwa-Kalyan	27/01/2012	06.20	27/01/2012	18.50	100 KV Road Bus Side Outage @ Kalwa
100 KV Bus @ Kalwa - I	27/01/2012	06.45	27/01/2012	18.30	Replacement of Single Core Conductor by Twin Core Conductor.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Vita - Pandharpur	28/01/2012	01.15	28/01/2012	01.55	Hot Spot @ Vita Main Bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04		Continued.	Due to MCCB of Diff. Relay Burnt.
Karad-Kolhapur-II	25/01/2012	21.34	27/01/2012	09.56	Over Voltage.
Bhusawal- Aurangabad	26/01/2012	16.58	27/01/2012	07.10	Over Voltage.
Lonikand- Koyna Stage IV	26/01/2012	20.51	27/01/2012	09.00	Over Voltage.
C'pur-Parli II	26/01/2012	22.01	27/01/2012	06.05	Over Voltage.
Karad - Kolhapur - I	27/01/2012	16.28		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buccolz Alarm Persist.
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).
Jejuri - Parvati	27/01/2012	04.11	27/01/2012	04.53	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	175
Unit 7	210	200
	620	510
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	164
Unit 6	250	42
Unit 7	250	225
	1130	601
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	175
Unit 4	210	205
Unit 5	500	475
Unit 6	500	400
Unit 7	500	475
	2340	2040
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	110
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	730
Nasik		
Unit 3	210	182
Unit 4	210	180
Unit 5	210	180
	630	542
Uran		
All Units	852	600
	852	600
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	18
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	19
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	1076
WARDHA	405	330
Other CPPs	0	
	1005	1406
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5046
	3455	5046

	17900	7 of 7	15660
--	--------------	--------	--------------