



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Feb/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.983	3573.856	1) Gujrat	8.572	194.423
2) Hydro	7.322	247.183	2) Madhya Pradesh	21.238	594.598
3) Gas	8.794	323.955	3) Chattisgarh	12.460	371.520
Total MSGENCO	138.099	4144.994	4) Maharashtra	54.862	1428.115
B) OTHERS			5) Goa	-6.954	-186.319
1) JSW JAIGAD	26.570	714.565	6) TAPS 1&2 Injection	3.933	221.601
2) WPCL	7.297	225.172	7) RGPPL Injection	23.655	688.236
3) Other CPP / IPP	9.007	215.049	8) Pench (Excess)	-0.463	-13.705
4) Wind Generation	6.295	116.442	# Total Cent. Sector	117.303	3298.469
5) PENCH (MS)	0.463	14.098	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.057	-223.734
1) TPCL Thermal	28.589	628.321	G) Bilateral Power *		
2) TPCL Hydro	3.115	112.850	1) MSEDCL Bilateral	36.970	981.904
TOTAL TPCL	31.704	741.171	Include PX	0.033	33.131
3) REL Thermal	12.299	360.457	2) MUMBAI Bilateral	10.008	244.832
D) STATE			Include PX	-0.568	-64.160
1) Thermal (A1+C1+C3)	162.871	4562.634	3) MUMBAI Schedule	10.008	268.596
2) Hydro (A2+B5+C2)	10.900	374.131	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.794	323.955	1) MSEDCL	298.977	8505.055
4) Wind (B4)	6.295	116.442	2) TPCL	33.758	887.505
5) CPP (B1+B2+B3)	42.874	1154.786	3) REL	16.310	436.680
TOTAL STATE	231.734	6531.948	TOTAL STATE	349.045	9829.240

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	5186	4997	5155
MSGENCO Hydro	956	263	139
MSGENCO Gas	360	367	375
MSGENCO Total Generation	6502	5627	5669
Central Sector Receipt	4997	5431	4291
WIND	85	421	297
CPP / IPP	1864	1865	1580
Exchange with Mumbai	-408	-306	-128
MSEDCL DEMAND MET	13080	13081	11709
Load Shedding (LS)	1687	325	58
MSEDCL DEMAND (INCL. LS)	14767	13406	11767
TPCL GENERATION	1680	1647	825
REL GENERATION	527	529	458
TPCL+REL DEMAND	2615	2482	1411
STATE DEMAND MET	15695	15563	13120
Load Management (LM)	2088	3469	1498
Total Load Relief (LS+LM)	3775	3794	1556
UNRESTRICTED STATE DEMAND	19470	19357	14676
Frequency (Hz)	49.66	49.81	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 18:02 Hrs	49.37 Hz at 06:42 Hrs	49.79	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center, Airoli (MSETCL)

Daily and Progressive Generation, Maximum, Minimum, OLC Details for 29/Feb/2012

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Hydro						
Unit 5	3.50	77.96	154	135	136	KDPH	0.63	10.26	39	19	40	
Unit 6	1.78	93.28	170	0	144	VTRNA	0.00	16.27	0	0	0	
Unit 7	0.51	108.16	145	0	0	TILLARI	0.36	10.24	60	0	60	
Total	5.78	279.39			280	BHTGR/VEER	0.00	4.32	0	0	0	
Bhusawal						BHIRA T.R.	0.16	6.36	73	0	40	
Unit 2	4.04	113.07	175	160	170	RNGR+BHTSA	0.33	10.07	15	13	10	
Unit 3	4.20	103.71	185	160	180	BHANDARDRA	0.00	10.55	0	0	0	
Unit 4	0.00	2.32	0	0	0	ELDARY	0.28	5.56	13	0	12	
Total	8.24	219.10			350	SMLHY_PTN	0.83	27.18	35	34	0	
Parli						GHATGHAR	1.96	47.72	250	0	0	
Unit 3	0.00	0.00	0	0	0	Total	4.54	148.54			162	
Unit 4	4.31	126.92	198	163	180	Wind						
Unit 5	3.79	108.86	166	143	145	MalharPeth	0.20	5.05				
Unit 6	4.62	116.30	209	173	175	Vankuswadi	0.37	7.62				
Unit 7	4.42	135.72	212	153	195	ATIT	0.04	2.02				
Total	17.14	487.80			695	Kale	0.13	2.87				
Chandrapur						Satara	1.18	15.20				
Unit 1	3.93	84.42	169	158	165	Shirala	0.10	3.28				
Unit 2	4.06	115.61	174	165	170	K Mahankal	0.04	5.63				
Unit 3	0.00	102.08	0	0	0	Supa	0.17	3.26				
Unit 4	4.59	139.93	195	179	200	Vita	1.22	14.29				
Unit 5	11.31	319.48	480	460	475	Dondaicha	1.80	37.45				
Unit 6	11.21	307.50	480	450	460	Sakri	0.22	4.95				
Unit 7	10.64	289.92	470	430	460	Nandurbar	0.17	3.67				
Total	45.73	1358.95			1930	Khandke	0.42	6.90				
Paras						Khaparale	0.25	4.25				
Unit 3	5.69	146.20	253	206	250	Total	6.30	116.44				
Unit 4	5.63	158.87	260	191	220	CPP						
Total	11.32	305.07			470	JSW JAIGAD	26.57	714.56	1182	923	1065	
Khaparkheda						WARDHA	7.30	225.17	331	260	330	
Unit 1	4.76	133.30	210	180	210	Other CPPs	9.01	215.05				
Unit 2	4.41	113.34	190	180	200	Total	42.87	1154.79			1395	
Unit 3	4.46	131.94	198	177	210	Tata						
Unit 4	5.32	150.67	224	220	210	Trombay 4	0.00	1.57	0	0	0	
Unit 5	0.00	41.94	0	0	0	Trombay 5	10.60	163.52	502	281	500	
Total	18.95	571.19			830	Trombay 6	7.98	175.54	495	156	500	
Nasik						Trombay 7A	2.79	80.57	129	91	120	
Unit 3	5.20	144.71	220	215	210	Trombay 7B	1.56	45.77	69	58	60	
Unit 4	4.82	116.68	208	194	200	Trombay 8	5.65	161.35	250	178	250	
Unit 5	4.78	90.96	209	188	210	TATA Hydro	3.12	112.85	315	0	447	
Total	14.81	352.35			620	Total	31.70	741.17			1877	
Uran						REL						
All Units	8.79	323.96	375	358	360	1&2	12.30	360.46	529	440	500	
Total	8.79	323.96			360	Total	12.30	360.46			500	
PENCH (MS)						Cent Sect						
Pench (MS)	0.46	14.10	44	0	0	Share					5219	
Total	0.46	14.10			0	Total					5219	
Koyna												
Stage 1-2	2.11	57.42	390	40	600							
Stage 4	0.37	24.02	176	0	250							
Stage 3	0.31	17.21	124	0	320							
Total	2.78	98.65			1170							
Koyna 12&4 Total	2.48	81.44			850							
						MS PG CL	Thermal	121.98	3573.86			5175
							Thml+Gas	130.78	3897.81			5535
							Hydro	7.32	247.18			1332
							Total	138.10	4144.99			6867
						State Total		231.73	6531.95			15858

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 29/Feb/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	5129	140	375	5644	340	1604	4895	4538	-379	-294	11832	1965	11945	1683	15480	49.78
2	5151	139	375	5665	329	1617	4817	4402	-301	-193	11820	1865	11879	1516	15201	49.90
3	5155	139	375	5669	297	1580	4675	4291	-275	-128	11709	1556	11767	1411	14676	49.94
4	5115	154	375	5644	252	1552	4654	4427	-251	-77	11798	1727	11856	1352	14877	50.00
5	5017	139	368	5524	182	1675	4632	4552	-234	-109	11824	1764	11882	1379	14967	49.78
6	5081	144	365	5590	144	1761	4729	4899	-239	-140	12256	2174	12584	1486	15916	49.80
7	5038	154	365	5557	88	1857	4751	4914	-214	-143	12293	3072	13423	1678	17043	49.67
8	5126	248	365	5739	57	1876	4749	5214	-252	-178	12733	3497	13970	1835	18065	49.76
9	5133	471	365	5969	44	1891	4803	4993	-310	-226	12696	3577	14029	2052	18325	49.75
10	5211	472	365	6048	56	1882	4994	5195	-447	-347	12859	3823	14549	2350	19032	49.79
11	5237	442	365	6044	45	1855	5000	5483	-487	-329	13124	3791	14871	2542	19457	49.79
12	5186	956	360	6502	85	1864	4990	4997	-530	-408	13080	3775	14767	2615	19470	49.66
13	5133	621	360	6114	125	1865	5006	5157	-555	-357	12944	3795	14650	2590	19329	49.71
14	5209	380	358	5947	237	1859	5007	5274	-546	-309	13048	3502	14510	2473	19023	49.79
15	5052	519	361	5932	291	1861	4997	5205	-546	-397	12922	3224	14270	2484	18630	49.76
16	4981	673	365	6019	344	1857	4946	5078	-541	-310	12988	3282	14487	2490	18760	49.69
17	4974	383	366	5723	422	1868	4945	4341	-546	-320	12034	3565	13387	2491	18090	49.75
18	5010	169	366	5545	337	1869	4896	4585	-497	-288	12048	2998	12381	2447	17493	49.84
19	5017	185	366	5568	347	1874	4971	4785	-447	-251	12363	3652	12603	2410	18425	49.91
20	4997	263	367	5627	421	1865	5191	5431	-513	-306	13081	3794	13406	2482	19357	49.81
21	4998	186	367	5551	572	1770	5176	5095	-503	-193	12838	3685	13077	2316	18839	49.79
22	5038	116	367	5521	539	1738	5219	4809	-503	-263	12388	3618	12584	2150	18156	49.82
23	4993	111	367	5471	413	1720	5083	4718	-456	-270	12072	3421	12213	2002	17495	49.78
24	5002	118	366	5486	328	1714	4949	4920	-437	-221	12227	2809	12344	1826	16862	49.74
MUs	121.98	7.32	8.79	138.10	6.30	42.87	118.08	117.30	-10.01	-6.06	298.98	73.93	317.43	50.06	422.97	49.79

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/Feb/2012

Position as on 6.30 Hrs of 01/Mar/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.	01/03/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	05/03/2012
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vaccum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
CPP WPCL U-3	135	15/02/2012	23.57		Continued.	Low demand.	
Dabhol 3A	230	21/02/2012	21.58		Continued.	Gas shortage.	
Dabhol 3X	290	21/02/2012	21.58		Continued.	Gas shortage.	
Uran Unit 5	108	23/02/2012	11.35		Continued.	Gas Shortage	
Bhusawal Unit 4	500	25/02/2012	13.10		Continued.	Class A Protection Operated.	
Chandrapur Unit 3	210	26/02/2012	04.03		Continued.	Boiler Validity Extension	09/03/2012
Koradi Unit 6	210	27/02/2012	10.10	29/02/2012	01.26	Economiser Tube Leakage	
Koradi Unit 7	210	29/02/2012	04.02		Continued.	BLR T/L.	04/03/2012
Koradi Unit 6	210	29/02/2012	14.27		Continued.	BLR T/L.	02/03/2012

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Feb/2012

Position as on 6.30 Hrs of 01/Mar/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		
Akola - Wardha - II	26/02/2012	07.38	29/02/2012	09.16	OCCM For Construction Work,(ready for charging at 20.25Hrs on 26/2/2012
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). Tempromy reconfigured as Tarapur-Boisar ckt-II
Nasik - Navasari - II	29/02/2012	09.15	29/02/2012	18.28	Maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	25/02/2012	21.56	29/02/2012	08.36	Over Voltage.
Parly(PG) - Wardha (PG) - I	27/02/2012	08.31		Continued.	Due to outage on Wardha-Seoni ckt.
Dhule-Sar'Sarovar - II	28/02/2012	01.54	29/02/2012	07.56	Over Voltage.
Dhule-Sar'Sarovar - I	28/02/2012	23.16		Continued.	Over Voltage.
Kolhapur - Mapusa - I	29/02/2012	17.01		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	22/02/2012	10.30		Continued.	Taken on TBC,connection IPS tube.
Main Bus-II @ Kolhapur	27/02/2012	19.09		Continued.	Attending Y-Ph CVT replacement work.
400/220 KV 500 MVA ICT - I @ Lamboti	29/02/2012	07.32		Continued.	Attending oil leakage.
400/220 KV 300 MVA ICT-I @ Koradi	29/02/2012	09.13	29/02/2012	16.28	HV and LV bushing tan delta measurement.
Karad - Newkoyna - I	29/02/2012	10.37	29/02/2012	16.57	Line taken on TBC,Breaker problem.
Karad-Jaigad I	29/02/2012	12.19	29/02/2012	19.58	Line insulator washing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Kharghar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS @ 20.30 DT 18.02.2012.
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Kalwa - Khargar	21/02/2012	12.24		Continued.	Mumbai system strengthing work.
Trombay - Sonkar	23/02/2012	07.05	29/02/2012	11.57	To replace old Rusted Tower
Trombay - Tifil	23/02/2012	07.14	29/02/2012	12.36	To replace old Rusted Tower
Virur - Railway TSS-II	29/02/2012	10.45	29/02/2012	11.56	R.M.Work
Bableshtar-Bhenda	29/02/2012	11.11	29/02/2012	17.16	Breaker Problem.
Virur - Railway TSS -I	29/02/2012	14.50	29/02/2012	17.25	R.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Feb/2012

Position as on 6.30 Hrs of 01/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV					
					Outage Type
HAND TRIPPED					
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/02/2012	17.35	29/02/2012	08.51	Over Voltage.
Karad - Kolhapur - I	29/02/2012	02.27	29/02/2012	08.39	Over Voltage.
Bhusawal- Aurangabad	29/02/2012	17.04		Continued.	Over Voltage.
Voltage Level : 220KV					
					Outage Type
HAND TRIPPED					
Bale-Murud	22/02/2012	22.00		Continued.	Due to Lamboti ICT loading.
Chandrapur - Warora	23/02/2012	21.15		Continued.	To Control Warora-Wardha Line Loading.
Babaleshwar - Ranjangaon	25/02/2012	06.42	29/02/2012	06.19	To Control ICT Loading @ Bbl.
Babaleshwar - Bhenda	25/02/2012	07.01	29/02/2012	07.25	To Control ICT Loading @ Bbl.
Aurangabad - Babaleshwar	26/02/2012	09.43	29/02/2012	10.18	In View of H/T @ Bblr ICT U/O.
Lonikand-Ranjangaon	29/02/2012	16.30	29/02/2012	19.05	Due to 400KV Lnknd-PRL I trip.
Lonikand-Kathapur	29/02/2012	16.55	29/02/2012	18.59	Due to 400KV Lnknd-PRL I trip.
Voltage Level : 400KV					
					Outage Type
TRIPPED					
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
Dabhol-Nagothane-II	28/02/2012	15.34	29/02/2012	01.02	Distance protection.
Karad-Jaigad II	29/02/2012	00.43	29/02/2012	02.44	Distance Protection.
Newkoyna - Jaigad - I	29/02/2012	00.48	29/02/2012	01.38	Distance Protection.
Karad-Jaigad I	29/02/2012	01.31	29/02/2012	02.59	Dist.Prot.R-Ph to E fault.
Karad-Jaigad I	29/02/2012	03.12	29/02/2012	05.34	Distance Protection.B-Ph to E, Zone I.
Khaparkheda - Chandrapur	29/02/2012	13.02	29/02/2012	13.55	Distance Protection.
Khaparkheda - Chandrapur	29/02/2012	13.58	29/02/2012	18.42	Distance Protection.
Lonikand - Parli - I	29/02/2012	16.38	29/02/2012	17.55	Distance Protection.
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).
Versova-Boiser	29/02/2012	01.28	29/02/2012	07.08	Distance Protection.
Aarey-Borivali-I	29/02/2012	03.41	29/02/2012	06.06	Bird fault @ Loc.No.91.
Aarey-Borivali-II	29/02/2012	03.49	29/02/2012	04.12	Bird fault @ Loc.No.91.
Kharepatan-Pawas	29/02/2012	04.35		Continued.	Distance Protection.
Wathar - Mudshingi	29/02/2012	12.05	29/02/2012	12.18	Distance Protection.
Dhule - Malegaon	29/02/2012	12.26	29/02/2012	13.09	Distance Protection.
Chalisgaon - Malegaon	29/02/2012	12.26	29/02/2012	13.00	Distance Protection.
Trombay - Tifil	29/02/2012	16.45	29/02/2012	17.35	Without indication.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 01/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	0
Unit 5	200	140	BHIRA T.R.	80	80
Unit 6	210	0	RNGR+BHTSA	20	15
Unit 7	210	0	BHANDARDRA	45	0
	620	140	ELDARY	23	13
Bhusawal			SMLHY_PTN	12	0
Unit 2	210	170	GHATGHAR	250	0
Unit 3	210	180		611	186
Unit 4	500		Wind		
	920	350	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	180	Kale	0	
Unit 5	210	160	Satara	0	
Unit 6	250	165	Shirala	0	
Unit 7	250	170	K Mahankal	0	
	1130	675	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	165	Dondaicha	0	
Unit 2	210	170	Sakri	0	
Unit 3	210	0	Nandurbar	0	
Unit 4	210	200	Khandke	0	
Unit 5	500	475	Khaparale	0	
Unit 6	500	475		0	
Unit 7	500	475	CPP		
	2340	1960	JSW_JAIGAD	600	1045
Paras			WARDHA	405	330
Unit 3	250	250	Other_CPPs	0	
Unit 4	250	250		1005	1375
	500	500	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	210	Trombay 5	500	500
Unit 2	210	200	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	250
	1340	830	TATA Hydro	444	447
Nasik				2024	1877
Unit 3	210	210	REL		
Unit 4	210	200	1&2	500	500
Unit 5	210	210		500	500
	630	620	Cent Sect		
Uran			Share	3455	5365
All Units	852	360		3455	5365
	852	360			
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	0			
TILLARI	60	60			