



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Mar/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.475	3335.097	1) Gujrat	10.053	264.303
2) Hydro	8.019	237.597	2) Madhya Pradesh	25.029	616.469
3) Gas	14.166	325.833	3) Chattisgarh	13.800	353.760
Total MSGENCO	139.660	3898.527	4) Maharashtra	59.610	1472.696
B) OTHERS			5) Goa	-7.402	-180.535
1) JSW JAIGAD	26.337	678.897	6) TAPS 1&2 Injection	7.766	200.418
2) WPCL	8.182	220.735	7) RGPPL Injection	27.563	670.942
3) Other CPP / IPP	7.200	216.316	8) Pench (Excess)	-0.242	-7.967
4) Wind Generation	2.764	159.803	# Total Cent. Sector	136.177	3390.086
5) PENCH (MS)	0.242	10.382	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.575	-204.279
1) TPCL Thermal	29.991	733.424	G) Bilateral Power *		
2) TPCL Hydro	5.150	88.626	1) MSEDCL Bilateral	45.810	1123.391
TOTAL TPCL	35.141	822.050	Include PX	7.595	49.557
3) REL Thermal	12.615	349.696	2) MUMBAI Bilateral	11.797	269.558
D) STATE			Include PX	0.978	-26.934
1) Thermal (A1+C1+C3)	160.081	4418.217	3) MUMBAI Schedule	11.797	270.119
2) Hydro (A2+B5+C2)	13.411	336.605	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.166	325.833	1) MSEDCL	310.987	8370.467
4) Wind (B4)	2.764	159.803	2) TPCL	38.221	924.421
5) CPP (B1+B2+B3)	41.719	1115.948	3) REL	19.109	451.590
TOTAL STATE	232.141	6356.406	TOTAL STATE	368.317	9746.478

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4853	4845	4875
MSGENCO Hydro	596	206	222
MSGENCO Gas	582	576	578
MSGENCO Total Generation	6031	5627	5675
Central Sector Receipt	6100	5806	5249
WIND	48	78	195
CPP / IPP	1742	1779	1635
Exchange with Mumbai	-505	-578	-253
MSEDCL DEMAND MET	13416	12712	12501
Load Shedding	1668	1735	402
MSEDCL DEMAND	15084	14447	12903
TPCL GENERATION	1888	1770	881
R-INFRA GENERATION	525	526	528
TPCL+R-INFRA DEMAND	2918	2874	1662
STATE DEMAND MET	16334	15586	14163
STATE DEMAND	18002	17321	14565
Frequency (Hz)	49.82	49.90	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 07.03 Hrs	49.16 Hz at 19.09 Hrs	49.82	.08 % 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 28/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.30	55.32	151	0	0
Unit 6	3.82	91.69	175	147	158
Unit 7	4.00	83.09	185	130	185
Total	9.13	230.10			343
Bhusawal					
Unit 2	4.29	98.74	190	165	180
Unit 3	4.48	120.45	195	180	190
Unit 4	0.00	15.22	0	0	0
Total	8.77	234.41			370
Parli					
Unit 3	0.00	66.41	0	0	0
Unit 4	3.82	112.84	178	137	140
Unit 5	3.01	102.15	158	112	110
Unit 6	4.12	121.30	187	122	165
Unit 7	4.10	86.79	193	150	160
Total	15.05	489.49			575
Chandrapur					
Unit 1	0.00	40.24	0	0	0
Unit 2	3.98	111.28	168	163	170
Unit 3	4.23	102.93	191	148	170
Unit 4	4.44	131.22	202	151	160
Unit 5	11.10	239.01	475	450	470
Unit 6	10.76	299.84	470	405	450
Unit 7	9.74	289.06	450	355	450
Total	44.26	1213.59			1870
Paras					
Unit 3	5.63	152.46	256	171	250
Unit 4	5.40	125.10	260	133	230
Total	11.03	277.56			480
Khaparkheda					
Unit 1	4.80	132.64	210	185	210
Unit 2	0.51	104.67	155	0	0
Unit 3	4.69	119.34	225	166	210
Unit 4	4.87	134.86	222	169	210
Unit 5	0.00	0.00	0	0	
Total	14.88	491.50			630
Nasik					
Unit 3	4.95	139.19	220	170	210
Unit 4	4.67	131.00	210	168	210
Unit 5	4.74	128.25	207	189	200
Total	14.36	398.44			620
Uran					
All Units	14.17	325.83	612	576	600
Total	14.17	325.83			600
PENCH (MS)					
Pench (MS)	0.24	10.38	50	0	
Total	0.24	10.38			
Koyna					
Stage 1-2	2.02	63.65	220	40	520
Stage 4	0.06	35.29	61	0	250
Stage 3	0.68	21.61	158	0	320
Total	2.76	120.54			1090
Kovna 12&4 Total	2.08	98.94			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.90	16.89	38	37	36
VTRNA	0.00	1.02	0	0	0
TILLARI	0.37	10.14	60	0	60
BHTGR/VEER	0.48	6.40	20	20	10
BHIRA T.R.	0.24	4.16	82	0	80
RNGR+BHTSA	0.31	9.08	13	13	13
BHANDARDRA	0.80	9.28	34	33	30
ELDARY	0.26	7.80	12	10	0
SMLHY PTN	0.98	25.34	41	41	25
GHATGHAR	0.90	26.93	250	0	0
Total	5.26	117.05			254
Wind					
MalharPeth	0.12	7.08			
Vankuswadi	0.22	10.48			
ATIT	0.03	2.92			
Kale	0.08	4.55			
Satara	0.46	18.32			
Shirala	0.08	5.63			
K Mahankal	0.00	9.59			
Supa	0.09	3.60			
Vita	0.11	23.81			
Dondaicha	1.01	49.82			
Sakri	0.22	6.92			
Nandurbar	0.14	5.06			
Khandke	0.16	7.02			
Khaparale	0.07	5.01			
Total	2.76	159.80			
CPP					
JSW JAIGAD	26.34	678.90	1153	1064	995
WARDHA	8.18	220.74	364	288	349
Other CPPs	7.20	216.32			
Total	41.72	1115.95			1344
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.11	293.55	505	287	500
Trombay 6	8.44	189.75	502	157	500
Trombay 7A	2.92	79.21	129	105	120
Trombay 7B	1.63	43.50	70	64	60
Trombay 8	5.88	127.41	252	224	250
TATA Hydro	5.15	88.63	459	0	447
Total	35.14	822.05			1877
REL					
1&2	12.62	349.70	528	524	500
Total	12.62	349.70			500
Cent Sect					
Share					5624
Total					5624

MS PG CL	Thermal	117.48	3335.10			4888
	Thml+Gas	131.64	3660.93			5488
	Hydro	8.02	237.60			1344
	Total	139.66	3898.53			6832
State Total		232.14	6356.41			16177

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Mar/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	4918	371	576	5865	97	1650	5475	5755	-384	-390	12979	168	13147	2029	15176	49.68
2	4844	421	577	5842	99	1650	5400	5509	-421	-302	12798	337	13135	1840	14975	49.72
3	4808	281	578	5667	109	1637	5415	5576	-414	-293	12696	389	13085	1718	14803	49.84
4	4875	222	578	5675	195	1635	5365	5249	-414	-253	12501	402	12903	1662	14565	49.93
5	4878	201	578	5657	221	1635	5343	5260	-344	-219	12554	413	12967	1636	14603	49.83
6	4888	256	582	5726	208	1657	5289	5480	-311	-216	12855	585	13440	1726	15166	49.72
7	4934	226	612	5772	187	1734	5432	5364	-370	-250	12807	1423	14230	1824	16054	49.85
8	4917	196	612	5725	104	1753	5429	5606	-377	-263	12925	1562	14487	1935	16422	50.05
9	4930	204	607	5741	88	1749	5464	5483	-462	-324	12737	1606	14343	2222	16565	50.00
10	4941	270	602	5813	70	1746	5489	5604	-472	-382	12851	1814	14665	2610	17275	49.97
11	4900	272	596	5768	66	1753	5425	5995	-521	-443	13139	1767	14906	2846	17752	49.88
12	4853	596	582	6031	48	1742	5789	6100	-590	-505	13416	1668	15084	2918	18002	49.82
13	4858	443	586	5887	50	1754	5866	5951	-598	-490	13152	1762	14914	2895	17809	49.81
14	4859	452	580	5891	51	1778	5767	6140	-504	-441	13419	1557	14976	2840	17816	49.73
15	4874	350	592	5816	64	1778	5910	5985	-524	-472	13171	1429	14600	2865	17465	49.73
16	4846	226	588	5660	66	1774	5890	6225	-548	-483	13242	1616	14858	2895	17753	49.79
17	4845	206	576	5627	78	1779	5575	5806	-646	-578	12712	1735	14447	2874	17321	49.90
18	4789	212	576	5577	86	1785	5475	4992	-545	-454	11986	1287	13273	2772	16045	49.93
19	4786	348	593	5727	95	1791	5472	5107	-474	-413	12324	900	13224	2700	15924	49.87
20	4829	669	594	6092	151	1839	5639	5806	-531	-443	13488	634	14122	2765	16887	49.70
21	4917	504	597	6018	163	1837	5691	5962	-570	-469	13561	478	14039	2621	16660	49.71
22	5035	382	603	6020	150	1829	5690	5690	-560	-449	13290	339	13629	2480	16109	49.79
23	5067	320	601	5988	188	1742	5581	5726	-609	-494	13200	297	13497	2375	15872	49.77
24	5084	391	600	6075	130	1692	5489	5806	-609	-549	13184	230	13414	2283	15697	49.64
MUs	117.48	8.02	14.17	139.66	2.76	41.72	133.36	136.18	-11.80	-9.58	310.99	24.40	335.38	57.33	392.72	49.82

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 28/Mar/2012

Position as on 6.30 Hrs of 29/Mar/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koyna UNIT 6	75	10/03/2012	07.05		Continued.	Pressure Shaft work	28/03/2012
Koyna Unit 5	80	10/03/2012	07.10		Continued.	Pressure Shaft work	28/03/2012
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Annual Overhaul	07/04/2012
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vacuum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Dabhol 3A	230	07/03/2012	15.42		Continued.	Gas shortage.	
Dabhol 3X	290	07/03/2012	15.42		Continued.	Gas shortage.	
Cent_Sect TARAPUR-3	540	15/03/2012	22.13		Continued.	Primary coolant pump fail.	
CPP WPCL U-2	135	19/03/2012	03.21		Continued.	Precepitator & Gas Filter Replacement Work.	
Koradi Unit 5	200	19/03/2012	06.30	28/03/2012	11.31	I D Fan Problem.	
Parli Unit 3	210	23/03/2012	23.57		Continued.	Coal shortage.	
Khaparkheda Unit 2	210	25/03/2012	13.08	28/03/2012	19.38	Boiler Tube Leakage.	
Bhusawal Unit 4	500	25/03/2012	17.37		Continued.	Gen.Protection.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2012

Position as on 6.30 Hrs of 29/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha - Seoni	28/03/2012	09.37		Continued.	Balance work of terminating tower of 400KV Wardha-Warora D/C line.
Akola - Aurangabad - II	28/03/2012	10.30	28/03/2012	17.53	Tie bay taken by PGCIL for testing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	24/03/2012	11.47		Continued.	Over Voltage
765KV Seoni - Wardha - II	24/03/2012	12.18	28/03/2012	09.18	Hand Tripped
Dhule-Sar'Sarovar - I	28/03/2012	03.50	28/03/2012	07.38	Over Voltage.
Dhule-Sar'Sarovar - II	28/03/2012	07.56	28/03/2012	19.34	Over Voltage
Kolhapur-Mapusa-II	28/03/2012	16.37		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	29/03/2012	03.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.After Test Charge.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	27/03/2012	06.40	28/03/2012	14.47	Dist.Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	03/01/2012	10.15		Continued.	Replacement of H V Bushing.
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -I & II Span Stringing & Testing Work.
50 MVAR Reactor of Parli-Chandrapur - III	22/03/2012	11.00	28/03/2012	14.43	Tan Delta Value of R Phase Bushing high(Taken on TBC)
400/220 KV 105 MVA Spare ICT - I at Nagothane.	26/03/2012	11:28		Continued.	Oil Filtration Work.
Aux.Bus @ Kolhapur	27/03/2012	12.51		Continued.	Alignment and servicing of C bus pentagraph isolator.
Newkoyna - Jaigad - I	28/03/2012	09.08	28/03/2012	15.03	Insulator washing.
Kalwa - Padgha - I	28/03/2012	11.22		Continued.	Taken on TBC(up to 13.04.2012)
400/220KV 167 MVA Spare ICT at Khaparkheda	28/03/2012	13.48	28/03/2012	13.51	First time charged.
Karad - Kolhapur - I	28/03/2012	21.48	28/03/2012	22.53	Hot spot attending.
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 30-03-2012)
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 at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
220/6.6KV,40MVA Stn..T/F-II at Korady	21/02/2012	11.03	29/03/2012	16.28	Tan delta of CT and Q.M.Work
Mulund - Bhandup (GIS)	11/03/2012	14.20	28/03/2012	19.56	Tower erection and stringing work.
Chalisgaon-Khadka	26/03/2012	09:21		Continued.	Replacement of CB. (line taken on TBC).

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2012

Position as on 6.30 Hrs of 29/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dahanu-Versova	26/03/2012	13:48		Continued.	For changing R-ph pilot string.
220 KV TBC @ Kalwa	27/03/2012	13.20		Continued.	Repl. of CT @ Borivali bay.
Kalwa-Mulund	28/03/2012	07.01	28/03/2012	09.11	Tan delta measurement of CT's.
Nivali-N'koyna	28/03/2012	09.29	28/03/2012	17.57	Insulator cleaning and cold washing.
Khaperkheda - Koradi	28/03/2012	09.30	28/03/2012	17.22	Q.M.Work.
Chandrapur-Wani	28/03/2012	09.40	28/03/2012	14.10	Q.M.Work.
220/132 KV 200 MVA ICT - III @ Bale	28/03/2012	10.07	28/03/2012	15.55	Q.M.Work
220/132 KV,100 MVA ICT At Hinganghat	28/03/2012	11.08	28/03/2012	15.34	Q.M.Work.
Pedambe - Pophali	29/03/2012	06.20		Continued.	Repl.of insulator.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur - Bhusawal	27/03/2012	08.53		Continued.	Isolator replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	27/03/2012	17.34	28/03/2012	07.37	Over Voltage.
Bhusawal- Aurangabad	28/03/2012	17.53	29/03/2012	06.40	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	22/03/2012	02.53	28/03/2012	09.24	To Control Warora-Wardha & Hinganghat Line Loading.
Wardha-Abhijeet I	27/03/2012	19.34	28/03/2012	15.40	To control Koradi ICT loading.
Wardha-Abhijeet II	27/03/2012	19.35	28/03/2012	15.40	To control Koradi ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
Karad - Kolhapur - II	26/03/2012	06:54	28/03/2012	10.35	Distance Protection.
Karad - Kolhapur - I	28/03/2012	11.08	28/03/2012	17.34	Dist.Protection.
Chandrapur - Parli - III	28/03/2012	11.21	28/03/2012	14.43	Over Voltage.(Taken on TBC)
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00	28/03/2012	11.20	Buchholz Trip,Diff.Prot.operated,PRV tripped(Kept on Humming at 18.45Hrs/24-3-12)
Kharepatan-Pawas	29/03/2012	05.45	29/03/2012	06.21	Dist.Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Dahanu-Gholawad II	28/03/2012	06.00	28/03/2012	13.05	Insulator disc flashover.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Kalyan	28/03/2012	12.26	28/03/2012	12.38	Dist.Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	175
Unit 7	210	185
	620	515
Bhusawal		
Unit 2	210	160
Unit 3	210	190
Unit 4	500	
	920	350
Parli		
Unit 3	210	0
Unit 4	210	165
Unit 5	210	160
Unit 6	250	140
Unit 7	250	180
	1130	645
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	190
Unit 4	210	190
Unit 5	500	460
Unit 6	500	460
Unit 7	500	425
	2340	1895
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	
	1340	710
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	590
	852	590
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	243
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	995
WARDHA	405	344
Other CPPs	0	
	1005	1339
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	5167
	3455	5167

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