



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Apr/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.847	1533.723	1) Gujrat	2.708	86.376
2) Hydro	17.269	247.465	2) Madhya Pradesh	24.982	300.768
3) Gas	11.114	97.917	3) Chattisgarh	11.690	124.340
Total MSGENCO	149.230	1879.105	4) Maharashtra Net	87.201	1049.046
B) 1) JSW JAIGAD	15.410	171.495	(Incl. 765kV Solapur-Raichur)	-2.739	-22.142
2) WPCL	0.000	4.347	5) Goa	-5.385	-75.103
3) ADANI	30.699	464.338	6) TAPS 1&2 Injection	7.431	89.267
4) Other CPP / IPP	25.605	281.665	7) RGPPL Injection	0.000	0.000
5) Wind Generation	13.093	94.621	8) Pench (Excess)	-0.170	-1.505
6) PENCH (MS)	0.170	1.505	# Total Cent. Sector	128.457	1573.189
7) SOLAR	1.207	12.778	F) Other Exchanges		
C) 1) TPCL Thermal	19.046	208.333	1) With TPCL (Excess)	-20.240	-293.911
2) TPCL Hydro	3.192	46.816	G) Bilateral Power *		
TOTAL TPCL	22.238	255.149	1) MSEDCL Bilateral	21.353	192.366
3) REL Thermal	12.493	148.675	Include PX	-0.319	2.764
D) STATE			2) MUMBAI Bilateral	21.314	304.398
1) Thermal (A1+C1+C3)	152.386	1890.731	Include PX	1.320	63.255
2) Hydro (A2+B6+C2)	20.631	295.786	3) MUMBAI Schedule	21.314	304.398
3) Gas (A3)	11.114	97.917	H) ENERGY CATERED (MUs)		
4) Wind (B5)	13.093	94.621	1) MSEDCL	343.631	4189.132
5) CPP/IPP (B1+B2+B3+B4)	71.714	488.206	2) TPCL	35.102	445.593
6) SOLAR (B7)	1.207	12.778	3) REL	19.867	252.220
TOTAL STATE	270.145	2880.039	TOTAL STATE	398.600	4886.945

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5515	5175	4893
MSGENCO Hydro	1570	1768	120
MSGENCO Gas	445	447	477
MSGENCO Total Generation	7530	7390	5490
Central Sector Receipt	5689	5752	4951
WIND	229	326	699
CPP / IPP	3016	3024	2907
SOLAR	179	113	0
Exchange with Mumbai	-1056	-1028	-363
MSEDCL DEMAND MET	15587	15577	13684
Load Shedding	1022	650	113
MSEDCL DEMAND	16609	16227	13797
TPCL GENERATION	1125	1083	824
R-INFRA GENERATION	522	520	521
TPCL+R-INFRA DEMAND	2703	2631	1708
STATE DEMAND MET	18290	18208	15392
STATE DEMAND	19312	18858	15505
Frequency (Hz)	49.74	49.78	49.81

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 06.27 Hrs	49.56 Hz at 12.11 Hrs	49.85	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 12/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.40	0	0	0
Unit 6	0.00	27.47	0	0	0
Unit 7	4.11	42.39	188	159	165
Total	4.11	70.26			165
Bhusawal					
Unit 2	1.86	34.89	120	0	125
Unit 3	2.84	35.14	135	110	130
Unit 4	8.98	105.54	510	295	360
Unit 5	7.74	85.56	415	235	372
Total	21.42	261.13			987
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.91	45.18	172	155	160
Unit 5	3.97	8.56	180	146	150
Unit 6	4.69	53.15	250	150	185
Unit 7	4.74	53.69	250	180	185
Total	17.31	160.58			680
Chandrapur					
Unit 1	3.56	40.33	152	145	150
Unit 2	4.02	39.48	170	158	170
Unit 3	4.32	37.81	190	168	185
Unit 4	4.50	56.33	200	170	190
Unit 5	10.17	127.77	450	365	425
Unit 6	10.29	120.57	455	390	450
Unit 7	9.25	114.51	425	340	400
Total	46.11	536.80			1970
Paras					
Unit 3	0.42	54.04	196	0	0
Unit 4	0.00	50.75	0	0	0
Total	0.42	104.79			0
Khaparkheda					
Unit 1	3.98	46.23	185	125	180
Unit 2	3.66	45.05	175	125	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.62	56.08	210	144	210
Unit 5	6.06	113.52	335	171	500
Total	18.32	261.67			1070
Nasik					
Unit 3	4.34	32.58	185	175	190
Unit 4	4.48	53.19	194	174	190
Unit 5	4.34	52.71	187	174	190
Total	13.16	138.48			570
Uran					
All Units	11.11	97.92	485	445	480
Total	11.11	97.92			480
PENCH (MS)					
Pench (MS)	0.17	1.50	40	0	0
Total	0.17	1.50			0
Koyna					
Stage 1-2	2.72	58.05	400	40	600
Stage 4	6.66	97.02	953	0	250
Stage 3	2.06	33.99	240	0	320
Kovna 12&4 Total	9.38	155.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.44	189.07			1170
Hydro					
KDPH	0.57	5.05	31	16	18
VTRNA	1.20	15.45	61	0	61
TILLARI	0.41	4.69	64	0	60
BHTGR/VEER	0.08	0.75	4	3	0
BHIRA T.R.	0.21	2.80	40	0	40
RNGR+BHTSA	0.32	3.82	14	13	15
BHANDARDRA	0.44	3.27	46	0	34
ELDARY	0.00	2.05	0	0	0
SMLHY PTN	0.85	10.74	36	35	0
GHATGHAR	1.74	9.77	250	0	0
Total	5.83	58.40			228
Wind					
MalharPeth	0.79	3.26			
Vankuswadi	1.24	5.44			
ATIT	0.17	0.64			
Kale	0.41	2.08			
Satara	4.07	22.76			
Shirala	0.34	2.17			
K Mahankal	0.04	0.31			
Supa	0.14	1.29			
Vita	1.70	12.72			
Dondaicha	3.00	30.00			
Sakri	0.21	3.58			
Nandurbar	0.33	3.30			
Khandke	0.38	3.22			
Khaparale	0.27	3.84			
Total	13.09	94.62			
CPP					
JSW JAIGAD	15.41	171.50	778	576	710
WARDHA	0.00	4.35	0	0	0
Adani	30.70	464.34	1300	1256	1223
Other CPPs	25.60	281.66			815
Total	71.71	921.84			2748
SOLAR					
Total	1.21	12.78			
Total	1.21	12.78			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.10	138.78	500	346	500
Trombay 6	3.65	20.08	155	151	500
Trombay 7A	2.71	30.94	115	94	120
Trombay 7B	1.58	18.54	67	59	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.19	46.82	293	0	447
Total	22.24	255.15			1627
REL					
1&2	12.49	148.68	523	517	500
Total	12.49	148.68			500
Cent Sect					
Share					5671
Total					5671
MS PG CL	Thermal	120.85	1533.72		5442
	Thml+Gas	131.96	1631.64		5922
	Hydro	17.27	247.46		1398
	Total	149.23	1879.10		7320
State Total		270.14	2880.04		17866

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Apr/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5160	219	473	5852	770	2899	0	5309	5564	-775	-771	14314	41	14355	2103	16458	49.88
2	5136	244	473	5853	813	2937	0	5069	4974	-648	-653	13924	100	14024	1935	15959	49.89
3	5015	153	473	5641	768	2922	0	5061	5129	-609	-560	13900	100	14000	1807	15807	49.80
4	4887	155	474	5516	728	2943	0	5043	5172	-585	-485	13874	107	13981	1736	15717	49.79
5	4893	120	477	5490	699	2907	0	5067	4951	-609	-363	13684	113	13797	1708	15505	49.81
6	4891	120	480	5491	686	2895	0	5063	5178	-592	-414	13863	213	14076	1765	15841	49.92
7	4903	252	485	5640	622	2875	1	5159	5182	-634	-454	13906	639	14545	1805	16350	50.00
8	5014	533	483	6030	448	2922	34	5213	5204	-636	-542	14125	888	15013	1892	16905	50.00
9	5066	865	467	6398	336	2970	86	5074	5254	-761	-741	14316	883	15199	2109	17308	49.91
10	5155	1709	456	7320	305	2993	122	5242	5129	-897	-875	14994	723	15717	2423	18140	49.85
11	5225	1772	447	7444	253	2958	150	5542	5590	-1097	-1119	15276	810	16086	2668	18754	49.81
12	5515	1570	445	7530	229	3016	179	5538	5689	-1156	-1056	15587	1022	16609	2703	19312	49.74
13	5460	1344	445	7249	219	3021	158	5495	5590	-1166	-1081	15156	1174	16330	2705	19035	49.82
14	5474	1231	447	7152	242	3013	151	5481	5454	-1099	-1065	14947	1056	16003	2639	18642	49.76
15	5436	1381	448	7265	271	3051	156	5577	5660	-1114	-1052	15351	777	16128	2645	18773	49.82
16	5175	1768	447	7390	326	3024	113	5569	5752	-1117	-1028	15577	650	16227	2631	18858	49.78
17	4959	1459	448	6866	402	3105	50	5530	5688	-1102	-1064	15047	584	15631	2607	18238	49.94
18	4827	316	455	5598	472	2944	7	5369	5351	-1014	-1173	13199	542	13741	2551	16292	49.98
19	4698	260	462	5420	551	2863	0	5090	5399	-997	-1061	13199	39	13238	2503	15741	49.77
20	4797	524	466	5787	746	3172	0	5287	5418	-1001	-969	14187	36	14223	2591	16814	49.90
21	4826	316	465	5607	801	3168	0	5234	5243	-981	-942	13878	25	13903	2514	16417	49.88
22	4812	186	466	5464	846	3101	0	5138	5224	-922	-1014	13621	22	13643	2418	16061	49.86
23	4753	291	465	5509	785	3085	0	5136	5224	-903	-929	13674	16	13690	2308	15998	49.76
24	4769	481	467	5717	775	2930	0	5177	5439	-898	-829	14032	15	14047	2205	16252	49.79
MUs	120.85	17.27	11.11	149.23	13.09	71.71	1.21	126.46	128.46	-21.31	-20.24	343.63	10.58	354.21	54.97	409.18	49.85

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 12/Apr/2014

Position as on 6.30 Hrs of 13/Apr/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
Uran Unit 8	108	01/04/2014	12.42		Continued.	Gas Shortage	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Koradi Unit 6	210	09/04/2014	01.01	13/04/2014	14.03	ID Fan Problem.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	ID Fan Problem	
Paras Unit 4	250	11/04/2014	11.58		Continued.	coal balt problem.furnace pressure high	
Hydro GhatgharU1	125	12/04/2014	15.40		Continued.	Water valve leakage	
Bhusawal Unit 2	210	12/04/2014	16.15		Continued.	id fan tem.high	
Paras Unit 3	250	12/04/2014	2.28		Continued.	bunkering prob.	
Koyna ST - IV 4	250	13/04/2014	09.44	13/04/2014	11.40	Sperical Valve Problem.	
Bhusawal Unit 5	500	13/04/2014	10.50	13/04/2014	18.49	Class A Protection Operated.	
CPP JSW (J) U1	300	13/04/2014	11.05	13/04/2014	13.22	Low Vacoum Pressure.	
Parli Unit 7	250	13/04/2014	13.11	13/04/2014	16.17	Low Drum Level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2014

Position as on 6.30 Hrs of 13/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule-Sar'Sarovar - II	12/04/2014	10.55	12/04/2014	14.17	Taking csr protection
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	11/04/2014	17.25	12/04/2014	9.42	over voltage
Kolhapur - Mapusa - I	12/04/2014	16.42	13/04/2014	11.33	over voltage
Kolhapur - Mapusa - I	13/04/2014	16.45		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa - Padgha - I	13/04/2014	07.38	13/04/2014	14.45	To Attend Hot Spot @ Wave Trap.
400/220 KV 315 MVA ICT-II @ Nagothane.	13/04/2014	09.37	13/04/2014	20.20	Painting & Pre Mansoon Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Aarey - saki 2	11/04/2014	22.01	12/04/2014	5.26	for cable testing
BBLSR-Chalisgaon	12/04/2014	10.15	12/04/2014	13.18	emergency outage melt condutor clamp replacement work
Babaleshwar - Babaleshwar - II	12/04/2014	13.30	12/04/2014	17.56	fixing of vabration damper replacement of damaged insulator
Chinchwad - Parvati	12/04/2014	9.30	12/04/2014	13.12	replacement of aux bus isolator and main bus isolator under jica 2
Reymond-OCR Nasik	12/04/2014	9.43	12/04/2014	16.42	capacitance and tandelta of cts and permansoon bay mantantance work
Main Bus - II @ Varsova	13/04/2014	08.43	13/04/2014	13.12	A.M.Work.
Kalwa- salsett 6	13/04/2014	09.33	13/04/2014	19.06	P.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
BBLSR - Sangamner	12/04/2014	13.00	12/04/2014	17.20	maintance work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Kalyan	12/04/2014	9.42	12/04/2014	14.52	maintance work
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
Aptcl (Akola 2) 765/400kv ICT 1500 MVA	12/04/2014	12.11	13/04/2014	6.04	due to outage on akola-akola 2 line
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Akola - Akola-II - II	12/04/2014	12.22	12/04/2014	18.11	testing of y-ph emvt
Bus reactor @ Dhule	12/04/2014	9.39	12/04/2014	18.30	over voltage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	11/04/2014	16.50	12/04/2014	9.27	over voltage
Karad-Jaigad I	11/04/2014	17.09	12/04/2014	9.30	over voltage
Bhusawal- Aurangabad	11/04/2014	17.52	12/04/2014	7.08	over voltage
Bhusawal- Aurangabad	12/04/2014	18.07	13/04/2014	07.22	over voltage
Karad-Jaigad I	12/04/2014	18.12	13/04/2014	07.30	over voltage
Akola - Akola-II - II	12/04/2014	22.34	13/04/2014	5.20	Due to sparking on r ph line isolator & 400 kv akola end
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2014

Position as on 6.30 Hrs of 13/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	30/03/2014	9.34		Continued.	e/w replacement (RFC 13.30Hrs)
Babaleshwar - Bhusawal	13/04/2014	12.42	13/04/2014	14.23	D/P R Ph.Zone-I.
Voltage Level : 220KV			Outage Type TRIPPED		
Chandrapur MIDC-GEPL Ckt.I	13/04/2014	14.42	13/04/2014	14.57	Distance Protection Operated B Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	170
	620	170
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	360
Unit 5	500	372
	1420	862
Parli		
Unit 3	210	0
Unit 4	210	162
Unit 5	210	160
Unit 6	250	182
Unit 7	250	184
	1130	688
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	190
Unit 4	210	180
Unit 5	500	410
Unit 6	500	450
Unit 7	500	425
	2340	1975
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	133
Unit 2	210	132
Unit 3	210	0
Unit 4	210	139
Unit 5	500	234
	1340	638
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	480
	852	480
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

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	35
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	228
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	1200	685
WARDHA	405	0
Adani	1980	1350
Other CPPs	300	735
	3885	2770
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5285
	3455	5285