



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Apr/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.841	1647.564	1) Gujrat	2.275	88.651
2) Hydro	19.802	267.267	2) Madhya Pradesh	25.501	326.269
3) Gas	10.511	108.428	3) Chattisgarh	12.210	136.550
Total MSGENCO	144.154	2023.259	4) Maharashtra Net	85.339	1134.385
B) 1) JSW JAIGAD	14.295	185.790	(Incl. 765kV Solapur-Raichur)	-3.514	-25.656
2) WPCL	0.000	4.347	5) Goa	-5.130	-80.233
3) ADANI	33.374	497.712	6) TAPS 1&2 Injection	7.469	96.736
4) Other CPP / IPP	23.079	304.744	7) RGPPL Injection	0.000	0.000
5) Wind Generation	13.437	108.058	8) Pench (Excess)	-0.109	-1.614
6) PENCH (MS)	0.109	1.614	# Total Cent. Sector	127.555	1700.744
7) SOLAR	0.706	13.484	F) Other Exchanges		
C) 1) TPCL Thermal	18.450	226.783	1) With TPCL (Excess)	-16.805	-310.716
2) TPCL Hydro	0.509	47.325	G) Bilateral Power *		
TOTAL TPCL	18.959	274.108	1) MSEDCL Bilateral	21.125	213.492
3) REL Thermal	12.100	160.775	Include PX	-0.204	2.560
D) STATE			2) MUMBAI Bilateral	17.556	321.953
1) Thermal (A1+C1+C3)	144.391	2035.122	Include PX	1.948	65.203
2) Hydro (A2+B6+C2)	20.420	316.206	3) MUMBAI Schedule	17.556	321.953
3) Gas (A3)	10.511	108.428	H) ENERGY CATERED (MUs)		
4) Wind (B5)	13.437	108.058	1) MSEDCL	339.904	4529.036
5) CPP/IPP (B1+B2+B3+B4)	70.748	528.255	2) TPCL	30.467	476.060
6) SOLAR (B7)	0.706	13.484	3) REL	17.395	269.615
TOTAL STATE	260.213	3109.553	TOTAL STATE	387.766	5274.711

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4737	4568	4706
MSGENCO Hydro	2197	1685	193
MSGENCO Gas	449	447	476
MSGENCO Total Generation	7383	6700	5375
Central Sector Receipt	6047	5634	5037
WIND	162	331	817
CPP / IPP	2643	2890	2890
SOLAR	68	87	0
Exchange with Mumbai	-692	-719	-551
MSEDCL DEMAND MET	15613	14923	13568
Load Shedding	995	954	14
MSEDCL DEMAND	16608	15877	13582
TPCL GENERATION	917	831	671
R-INFRA GENERATION	522	524	522
TPCL+R-INFRA DEMAND	2131	2074	1744
STATE DEMAND MET	17744	16997	15312
STATE DEMAND	18739	17951	15326
Frequency (Hz)	49.99	49.95	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 17.54 Hrs	49.64 Hz at 00.03 Hrs	49.97	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 13/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	1.02	28.49	140	0	0
Unit 7	3.83	46.22	170	145	170
Total	4.85	75.12			170
Bhusawal					
Unit 2	0.00	34.89	0	0	0
Unit 3	2.84	37.98	130	105	130
Unit 4	9.62	115.16	505	340	360
Unit 5	4.93	90.48	380	0	372
Total	17.38	278.51			862
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.89	49.07	166	158	162
Unit 5	3.80	12.36	175	129	160
Unit 6	4.78	57.93	250	183	182
Unit 7	3.93	57.62	250	0	184
Total	16.39	176.98			688
Chandrapur					
Unit 1	3.46	43.80	148	140	150
Unit 2	3.95	43.43	170	157	170
Unit 3	4.35	42.16	188	173	190
Unit 4	4.37	60.70	210	169	180
Unit 5	9.91	137.68	450	370	410
Unit 6	10.01	130.58	450	377	450
Unit 7	9.91	124.42	452	356	425
Total	45.96	582.76			1975
Paras					
Unit 3	0.00	54.04	0	0	0
Unit 4	0.00	50.75	0	0	0
Total	0.00	104.79			0
Khaparkheda					
Unit 1	3.28	49.51	155	120	133
Unit 2	2.96	48.02	135	110	132
Unit 3	0.00	0.80	0	0	0
Unit 4	3.52	59.60	174	140	139
Unit 5	6.51	120.03	345	195	234
Total	16.28	277.95			638
Nasik					
Unit 3	4.28	36.86	190	170	190
Unit 4	4.46	57.64	195	176	190
Unit 5	4.25	56.96	185	165	190
Total	12.98	151.46			570
Uran					
All Units	10.51	108.43	487	372	480
Total	10.51	108.43			480
PENCH (MS)					
Pench (MS)	0.11	1.61	27	0	
Total	0.11	1.61			
Koyna					
Stage 1-2	4.56	62.61	550	40	600
Stage 4	7.61	104.63	1120	0	250
Stage 3	2.84	36.83	320	0	320
Kovna 12&4 Total	12.17	167.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.00	204.07			1170
Hydro					
KDPH	0.75	5.80	32	31	18
VTRNA	1.43	16.88	61	34	61
TILLARI	0.39	5.08	64	0	60
BHTGR/VEER	0.08	0.84	4	3	4
BHIRA T.R.	0.15	2.95	40	0	40
RNGR+BHTSA	0.32	4.14	14	13	10
BHANDARDRA	0.00	3.27	0	0	35
ELDARY	0.00	2.05	0	0	
SMLHY PTN	0.97	11.71	41	40	
GHATGHAR	0.71	10.47	125	0	
Total	4.80	63.19			228
Wind					
MalharPeth	0.64	3.90			
Vankuswadi	0.93	6.37			
ATIT	0.11	0.75			
Kale	0.43	2.51			
Satara	3.15	25.91			
Shirala	0.34	2.52			
K Mahankal	0.03	0.34			
Supa	0.10	1.39			
Vita	1.77	14.50			
Dondaicha	4.60	34.60			
Sakri	0.18	3.76			
Nandurbar	0.54	3.84			
Khandke	0.36	3.58			
Khaparale	0.25	4.09			
Total	13.44	108.06			
CPP					
JSW JAIGAD	14.30	185.79	739	336	685
WARDHA	0.00	4.35	0	0	0
Adani	33.37	497.71	1520	1290	1350
Other CPPs	23.08	304.74			735
Total	70.75	992.59			2770
SOLAR					
Total	0.71	13.48			
Total	0.71	13.48			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.61	149.38	496	317	500
Trombay 6	3.62	23.71	152	150	500
Trombay 7A	2.65	33.59	125	92	120
Trombay 7B	1.56	20.10	70	59	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.51	47.32	89	0	447
Total	18.96	274.11			1627
REL					
1&2	12.10	160.78	524	397	500
Total	12.10	160.78			500
Cent Sect					
Share					5285
Total					5285
MS PG CL	Thermal	113.84	1647.56		4903
	Thml+Gas	124.35	1755.99		5383
	Hydro	19.80	267.27		1398
	Total	144.15	2023.26		6781
State Total		260.21	3109.55		16963

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4676	618	474	5768	829	2881	0	5153	5393	-733	-723	14148	5	14153	2084	16237	49.83
2	4742	313	475	5530	815	2902	0	5056	5192	-638	-573	13866	14	13880	1920	15800	49.89
3	4725	193	476	5394	851	2890	0	5057	5167	-616	-498	13804	14	13818	1820	15638	49.91
4	4706	193	476	5375	817	2890	0	5033	5037	-591	-551	13568	14	13582	1744	15326	49.95
5	4715	198	484	5397	759	2928	0	5048	5144	-603	-546	13682	14	13696	1716	15412	49.98
6	4745	305	485	5535	762	2877	0	5090	5353	-634	-582	13945	205	14150	1756	15906	49.95
7	4776	318	487	5581	691	2900	2	5135	5518	-640	-467	14225	533	14758	1756	16514	49.98
8	4788	273	484	5545	451	2902	14	5174	5630	-668	-420	14127	691	14818	1768	16586	49.99
9	4804	644	468	5916	293	2905	41	5133	5373	-666	-503	14037	990	15027	1847	16874	49.97
10	4848	1649	461	6958	264	2933	47	5156	5419	-686	-641	14992	691	15683	1975	17658	49.97
11	4832	1826	451	7109	192	2861	65	5271	5720	-779	-717	15257	731	15988	2080	18068	49.94
12	4737	2197	449	7383	162	2643	68	5300	6047	-826	-692	15613	995	16608	2131	18739	49.99
13	4775	2244	450	7469	234	2714	63	5253	5300	-844	-746	15034	1081	16115	2144	18259	49.99
14	4568	1685	447	6700	331	2890	87	5252	5634	-839	-719	14923	954	15877	2074	17951	49.95
15	4541	1689	450	6680	328	2997	135	5272	5412	-834	-731	14821	689	15510	2060	17570	49.95
16	4439	1830	419	6688	410	3015	95	5223	5411	-819	-760	14859	568	15427	2059	17486	49.96
17	4554	1416	401	6371	454	2986	66	5160	5357	-780	-751	14483	580	15063	2038	17101	50.03
18	4733	265	373	5371	601	3021	22	4910	4805	-707	-738	13082	213	13295	1974	15269	50.15
19	4648	257	374	5279	692	2988	1	4813	4695	-699	-836	12819	63	12882	1979	14861	50.04
20	4741	475	372	5588	729	3148	0	5197	5462	-787	-996	13948	69	14017	2166	16183	50.02
21	4965	256	373	5594	749	3201	0	5203	4817	-793	-836	13532	54	13586	2222	15808	50.02
22	4856	197	382	5435	754	3127	0	5128	5312	-772	-1023	13605	41	13646	2186	15832	49.96
23	4971	324	388	5683	659	3112	0	5127	5198	-779	-958	13694	28	13722	2209	15931	49.95
24	4958	437	412	5807	610	3037	0	5152	5159	-823	-798	13842	15	13857	2156	16013	49.94
MUs	113.84	19.80	10.51	144.16	13.44	70.75	0.71	123.30	127.55	-17.56	-16.80	339.91	9.25	349.16	47.86	397.02	49.97

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 13/Apr/2014

Position as on 6.30 Hrs of 14/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.	
CPP Adani	1980	14/04/2014	04.35		Continued.	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Apr/2014

Position as on 6.30 Hrs of 14/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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 - 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		
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 : 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 HAND TRIPPED		
Karad - Kolhapur - II	12/04/2014	16.12	14/04/2014	06.50	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
Karad-Jaigad I	13/04/2014	16.37	14/04/2014	06.54	Over Voltage.
400 KV Bus Coupler @ Kalwa	14/04/2014	02.00	14/04/2014	07.02	Gas Pressure Low.
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.
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 14/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	110
Unit 4	500	365
Unit 5	500	215
	1420	690
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	160
Unit 6	250	185
Unit 7	250	185
	1130	700
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	190
Unit 4	210	200
Unit 5	500	450
Unit 6	500	400
Unit 7	500	425
	2340	1985
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	0
Unit 4	210	150
Unit 5	500	350
	1340	800
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	475
	852	475
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	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	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	2007
Other CPPs	300	898
	3885	3590
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	5526
	3455	5526