



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Apr/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.145	2141.624	1) Gujrat	5.826	106.523
2) Hydro	23.068	369.644	2) Madhya Pradesh	23.835	418.464
3) Gas	10.879	156.059	3) Chattisgarh	10.390	179.370
Total MSGENCO	156.092	2667.327	4) Maharashtra Net	94.412	1494.060
B) 1) JSW JAIGAD	13.900	242.890	(Incl. 765kV Solapur-Raichur)	-0.779	-33.006
2) WPCL	0.000	4.347	5) Goa	-6.052	-104.655
3) ADANI	32.331	641.822	6) TAPS 1&2 Injection	7.433	126.519
4) Other CPP / IPP	22.260	399.115	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.850	139.257	8) Pench (Excess)	0.000	-2.420
6) PENCH (MS)	0.000	2.787			
7) SOLAR	0.950	17.584	# Total Cent. Sector	135.844	2217.861
C) 1) TPCL Thermal	19.777	305.628	F) Other Exchanges		
2) TPCL Hydro	4.109	63.680	1) With TPCL (Excess)	-22.713	-395.682
TOTAL TPCL	23.886	369.308	G) Bilateral Power *		
3) REL Thermal	12.493	210.756	1) MSEDCL Bilateral	22.026	288.797
D) STATE			Include PX	5.426	12.624
1) Thermal (A1+C1+C3)	154.415	2658.008	2) MUMBAI Bilateral	23.281	419.576
2) Hydro (A2+B6+C2)	27.177	436.111	Include PX	2.586	71.840
3) Gas (A3)	10.879	156.059	3) MUMBAI Schedule	23.281	419.576
4) Wind (B5)	8.850	139.257	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	68.491	678.683	1) MSEDCL	347.514	5937.308
6) SOLAR (B7)	0.950	17.584	2) TPCL	38.147	623.997
TOTAL STATE	270.762	4085.702	3) REL	20.941	351.814
			TOTAL STATE	406.602	6913.119

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5588	5398	5133
MSGENCO Hydro	1571	908	802
MSGENCO Gas	447	445	461
MSGENCO Total Generation	7606	6751	6396
Central Sector Receipt	6442	6720	5088
WIND	200	269	343
CPP / IPP	2832	2778	2768
SOLAR	135	130	0
Exchange with Mumbai	-1212	-1212	-400
MSEDCL DEMAND MET	16003	15436	14195
Load Shedding	251	293	79
MSEDCL DEMAND	16254	15729	14274
TPCL GENERATION	1243	1174	832
R-INFRA GENERATION	518	519	524
TPCL+R-INFRA DEMAND	2973	2905	1756
STATE DEMAND MET	18976	18341	15951
STATE DEMAND	19227	18634	16030
Frequency (Hz)	50.07	50.03	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 18.04 Hrs	49.67 Hz at 00.46 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 17/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	3.54	42.14	160	123	140
Unit 7	3.61	60.17	165	128	145
Total	7.14	102.71			285
Bhusawal					
Unit 2	3.00	42.56	140	100	125
Unit 3	3.15	49.98	140	120	125
Unit 4	0.03	123.73	30	0	0
Unit 5	3.74	115.73	410	0	250
Total	9.92	332.00			500
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.81	64.88	166	152	160
Unit 5	3.68	27.07	158	146	150
Unit 6	4.74	77.17	250	178	185
Unit 7	4.73	75.72	250	170	185
Total	16.97	244.84			680
Chandrapur					
Unit 1	3.18	57.13	147	0	150
Unit 2	4.00	59.31	170	163	170
Unit 3	4.16	58.18	182	151	190
Unit 4	4.66	79.29	206	167	210
Unit 5	10.13	178.37	450	405	450
Unit 6	8.81	167.05	402	270	400
Unit 7	9.45	161.89	414	370	400
Total	44.40	761.22			1970
Paras					
Unit 3	4.26	68.57	192	126	200
Unit 4	4.20	66.48	191	130	200
Total	8.46	135.05			400
Khaparkheda					
Unit 1	3.97	64.34	180	140	180
Unit 2	3.67	62.51	175	125	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.97	77.45	213	197	210
Unit 5	9.43	156.89	495	340	500
Total	22.04	361.98			1070
Nasik					
Unit 3	4.34	53.97	190	170	190
Unit 4	4.45	75.32	193	176	190
Unit 5	4.43	74.54	190	178	190
Total	13.22	203.82			570
Uran					
All Units	10.88	156.06	463	444	480
Total	10.88	156.06			480
PENCH (MS)					
Pench (MS)	0.00	2.79	0	0	
Total	0.00	2.79			
Koyna					
Stage 1-2	5.98	91.14	515	40	600
Stage 4	10.58	147.41	909	0	250
Stage 3	3.77	52.56	302	0	320
Kovna 12&4 Total	16.56	238.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.34	291.11			1170
Hydro					
KDPH	0.36	7.73	15	15	15
VTRNA	0.67	20.92	61	0	61
TILLARI	0.41	6.69	64	0	64
BHTGR/VEER	0.08	1.17	4	3	3
BHIRA T.R.	0.24	3.61	40	0	40
RNGR+BHTSA	0.30	5.39	13	12	15
BHANDARDRA	0.00	3.27	0	0	0
ELDARY	0.00	2.05	0	0	0
SMLHY PTN	0.67	15.02	28	28	0
GHATGHAR	0.00	12.68	0	0	0
Total	2.73	78.53			198
Wind					
MalharPeth	0.17	4.84			
Vankuswadi	0.35	7.95			
ATIT	0.03	0.92			
Kale	0.14	3.15			
Satara	1.57	32.09			
Shirala	0.18	3.34			
K Mahankal	0.02	0.40			
Supa	0.02	1.59			
Vita	0.75	17.29			
Dondaicha	4.13	47.70			
Sakri	0.46	5.24			
Nandurbar	0.51	5.54			
Khandke	0.05	3.96			
Khaparale	0.46	5.26			
Total	8.85	139.26			
CPP					
JSW JAIGAD	13.90	242.89	606	548	550
WARDHA	0.00	4.35	0	0	
Adani	32.33	641.82	1590	1240	1356
Other CPPs	22.26	399.12			855
Total	68.49	1288.17			2761
SOLAR					
Total	0.95	17.58			
Total	0.95	17.58			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.70	196.24	504	437	500
Trombay 6	3.69	38.42	155	153	500
Trombay 7A	2.79	44.53	126	114	120
Trombay 7B	1.60	26.44	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.11	63.68	436	0	447
Total	23.89	369.31			1627
REL					
1&2	12.49	210.76	524	518	500
Total	12.49	210.76			500
Cent Sect					
Share					6274
Total					6274
MS PG CL	Thermal	122.14	2141.62		5475
	Thml+Gas	133.02	2297.68		5955
	Hydro	23.07	369.64		1368
	Total	156.09	2667.33		7323
State Total		270.76	4085.70		18485

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4911	1627	454	6992	353	2784	0	5205	5218	-921	-801	14546	92	14638	2154	16792	49.84
2	4898	1355	459	6712	418	2768	0	5070	5094	-805	-637	14355	79	14434	1972	16406	49.87
3	5052	906	459	6417	398	2780	0	5034	5153	-782	-479	14269	79	14348	1847	16195	49.91
4	5146	669	459	6274	361	2802	0	5022	5202	-769	-422	14217	79	14296	1778	16074	49.91
5	5133	802	461	6396	343	2768	0	5029	5088	-776	-400	14195	79	14274	1756	16030	49.84
6	5118	1160	462	6740	347	2769	0	5049	5128	-801	-476	14508	193	14701	1832	16533	49.91
7	5163	1246	461	6870	295	2803	0	5101	5199	-831	-560	14607	518	15125	1911	17036	50.02
8	5199	1261	463	6923	252	2827	23	5150	5249	-858	-694	14580	563	15143	2049	17192	50.05
9	5221	1070	458	6749	243	2865	54	5352	5731	-942	-943	14699	461	15160	2343	17503	50.03
10	5253	1116	452	6821	302	2886	108	5899	6032	-1077	-1074	15075	270	15345	2670	18015	49.97
11	5431	1394	448	7273	186	2661	119	6223	6523	-1003	-1239	15523	232	15755	2936	18691	50.01
12	5588	1571	447	7606	200	2832	135	6287	6442	-1072	-1212	16003	251	16254	2973	19227	50.07
13	5553	1038	445	7036	168	2908	136	6228	6541	-1070	-1173	15616	359	15975	2967	18942	50.00
14	5398	908	445	6751	269	2778	130	5837	6720	-1006	-1212	15436	293	15729	2905	18634	50.03
15	5073	1322	445	6840	285	2774	104	6176	6599	-1006	-1261	15341	204	15545	2929	18474	50.03
16	4842	1376	444	6662	448	2700	79	6180	6613	-1010	-1279	15223	147	15370	2932	18302	49.96
17	4803	1144	450	6397	520	2686	44	5599	6090	-989	-1262	14475	157	14632	2919	17551	50.01
18	4957	482	450	5889	592	2751	18	4834	5141	-1038	-1205	13186	233	13419	2849	16268	50.07
19	4945	160	450	5555	740	2863	0	4715	4906	-1107	-1173	12891	204	13095	2740	15835	50.09
20	4951	302	450	5703	687	2973	0	5211	5639	-1103	-1161	13841	166	14007	2769	16776	49.97
21	4922	327	450	5699	457	3141	0	5227	5686	-1125	-1074	13909	126	14035	2675	16710	49.90
22	4990	308	454	5752	372	3151	0	5169	5469	-1104	-1029	13715	110	13825	2464	16289	49.90
23	4868	488	456	5812	307	3213	0	5022	5215	-1082	-1009	13538	64	13602	2400	16002	50.00
24	4730	1036	457	6223	307	3008	0	4925	5166	-1001	-938	13766	64	13830	2322	16152	50.00
MUs	122.14	23.07	10.88	156.09	8.85	68.49	0.95	129.54	135.84	-23.28	-22.71	347.51	5.02	352.54	59.09	411.63	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 17/Apr/2014

Position as on 6.30 Hrs of 18/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.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
CPP JSW (J) U3	300	14/04/2014	23.51		Continued.	Annual Shutdown.	
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 WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Adani U-4	660	14/04/2014	04:35		Continued.	With Drawn.	
Bhusawal Unit 4	500	14/04/2014	23.07	17/04/2014	23.32	BLR T/L.	
Bhusawal Unit 5	500	16/04/2014	22.44	17/04/2014	01.53	While shifting salven load UAT.	
CPP Dhariwal	300	17/04/2014	10.07	17/04/2014	17.05	UT Winding Temp High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2014

Position as on 6.30 Hrs of 18/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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	16/04/2014	17.24	17/04/2014	09.17	Over Volatge.
Kolhapur-Mapusa-II	17/04/2014	17.17	17/04/2014	18.25	Over Voltage
Kolhapur - Mapusa - II	18/04/2014	17.10	18/04/2014	18.11	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - I	17/04/2014	18.00	18/04/2014	08.53	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - II - Akola - I	18/04/2014	15.15	18/04/2014	15.16	First Time Test Charged.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mumewadi-Mudshingi	18/04/2014	08.30	18/04/2014	17.57	Fixing of Vibration Dampers.
220/110KV,200 MVA ICT-I at Mudshingi	18/04/2014	09.25	18/04/2014	16.37	Tan Delta of T/F.Q.M. Work.
Padgha - Nalasopara	18/04/2014	10.19	18/04/2014	19.45	Old Insul.Repalcement Work by New One.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Babaleshwar - Ranjangaon	16/04/2014	00.12	17/04/2014	04.20	Repaires to Sleeve work.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	15/04/2014	00.25		Continued.	H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	16/04/2014	16.42	17/04/2014	06.27	Over Voltage.
Bhusawal- Aurangabad	16/04/2014	17.48	17/04/2014	07.30	Over Volatge.
Karad-Kolhapur-II	17/04/2014	17.06	18/04/2014	08.32	Over Voltage
Bhusawal- Aurangabad	17/04/2014	17.57	18/04/2014	07.48	Over Voltage
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
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.
220/132KV 200MVA ICT-II at Ambazari	18/04/2014	09.17	18/04/2014	20.29	To Attend Minor Oil Leakage from PRV.
Nalasopara-Boisar PGCIL 220 KV	18/04/2014	09.29	18/04/2014	10.13	For Outage on 220KV Padgha-Nalasopara.
Vasai - Bhoisor (PGCIL)	18/04/2014	10.00	18/04/2014	19.40	For Outage on 220KV Padgha-Nalasopara.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	16/04/2014	16.15	17/04/2014	06.29	Distance protection.
400/220KV,500 MVA ICT-III at Kolhapur	17/04/2014	18.00	17/04/2014	19.48	Heavy Rain, NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Hingoli-Parbhani	17/04/2014	13.18	17/04/2014	13.36	Distance Protection
Karad-Vita-II	17/04/2014	15.52	17/04/2014	16.11	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Butibori MIDC Khapari - I	17/04/2014	13.32	17/04/2014	14.28	No indication

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2014

Position as on 6.30 Hrs of 18/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kurdwadi - Paranda	17/04/2014	20.11	17/04/2014	20.44	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	150
	620	285
Bhusawal		
Unit 2	210	125
Unit 3	210	130
Unit 4	500	360
Unit 5	500	0
	1420	615
Parli		
Unit 3	210	0
Unit 4	210	165
Unit 5	210	155
Unit 6	250	185
Unit 7	250	185
	1130	690
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	160
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	400
	2340	1840
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	140
Unit 3	210	0
Unit 4	210	210
Unit 5	500	400
	1340	930
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	15
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	198
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	550
WARDHA	405	0
Adani	2640	1851
Other CPPs	300	792
	4545	3193
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	5360
	3455	5360