



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Apr/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.849	2265.473	1) Gujrat	1.962	108.485
2) Hydro	21.325	390.969	2) Madhya Pradesh	23.250	441.714
3) Gas	10.889	166.948	3) Chattisgarh	10.500	189.870
Total MSGENCO	156.063	2823.390	4) Maharashtra Net	91.249	1585.309
B) 1) JSW JAIGAD	14.155	257.045	(Incl. 765kV Solapur-Raichur)	-2.226	-35.232
2) WPCL	0.000	4.347	5) Goa	-6.384	-111.039
3) ADANI	30.753	672.575	6) TAPS 1&2 Injection	7.427	133.946
4) Other CPP / IPP	23.965	423.080	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.708	146.965	8) Pench (Excess)	-0.033	-2.453
6) PENCH (MS)	0.033	2.820			
7) SOLAR	0.966	18.550	# Total Cent. Sector	127.971	2345.832
C) 1) TPCL Thermal	18.605	324.233	F) Other Exchanges		
2) TPCL Hydro	3.053	66.733	1) With TPCL (Excess)	-22.041	-417.723
TOTAL TPCL	21.658	390.966	G) Bilateral Power *		
3) REL Thermal	12.360	223.116	1) MSEDCL Bilateral	13.637	302.434
D) STATE			Include PX	-0.305	12.318
1) Thermal (A1+C1+C3)	154.814	2812.822	2) MUMBAI Bilateral	24.071	443.647
2) Hydro (A2+B6+C2)	24.411	460.522	Include PX	1.594	73.435
3) Gas (A3)	10.889	166.948	3) MUMBAI Schedule	24.071	443.647
4) Wind (B5)	7.708	146.965	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	68.873	715.225	1) MSEDCL	339.573	6276.881
6) SOLAR (B7)	0.966	18.550	2) TPCL	35.661	659.658
TOTAL STATE	267.661	4321.032	3) REL	20.397	372.211
			TOTAL STATE	395.631	7308.750

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	5524	5411	5051
MSGENCO Hydro	1838	1441	222
MSGENCO Gas	444	441	462
MSGENCO Total Generation	7806	7293	5735
Central Sector Receipt	5317	5550	4904
WIND	113	134	495
CPP / IPP	2869	2908	2788
SOLAR	134	135	0
Exchange with Mumbai	-1228	-1168	-416
MSEDCL DEMAND MET	15011	14852	13506
Load Shedding	876	919	37
MSEDCL DEMAND	15887	15771	13543
TPCL GENERATION	1019	962	811
R-INFRA GENERATION	521	521	522
TPCL+R-INFRA DEMAND	2768	2651	1749
STATE DEMAND MET	17779	17503	15255
STATE DEMAND	18655	18422	15292
Frequency (Hz)	50.11	50.08	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 06.01 Hrs	49.67 Hz at 19.14 Hrs	50.05	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 18/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	3.32	45.45	150	107	135
Unit 7	3.45	63.61	162	120	150
Total	6.76	109.47			285
Bhusawal					
Unit 2	2.99	45.54	130	115	125
Unit 3	2.96	52.94	140	110	130
Unit 4	8.48	132.21	505	110	360
Unit 5	0.00	115.73	0	0	0
Total	14.42	346.42			615
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.95	68.83	172	155	165
Unit 5	3.82	30.89	166	146	155
Unit 6	4.74	81.91	250	180	185
Unit 7	4.50	80.22	195	180	185
Total	17.02	261.85			690
Chandrapur					
Unit 1	0.00	57.13	0	0	0
Unit 2	3.89	63.20	170	150	170
Unit 3	3.47	61.64	165	121	160
Unit 4	4.67	83.96	209	164	210
Unit 5	10.37	188.73	455	385	450
Unit 6	9.56	176.61	435	359	450
Unit 7	9.36	171.25	429	363	400
Total	41.31	802.54			1840
Paras					
Unit 3	4.94	73.52	220	188	210
Unit 4	4.57	71.04	212	157	210
Total	9.51	144.56			420
Khaparkheda					
Unit 1	4.03	68.36	180	155	180
Unit 2	3.28	65.79	150	105	140
Unit 3	0.00	0.80	0	0	0
Unit 4	4.89	82.34	212	175	210
Unit 5	9.47	166.35	490	335	400
Total	21.66	383.64			930
Nasik					
Unit 3	4.25	58.22	185	125	190
Unit 4	4.51	79.83	194	177	190
Unit 5	4.39	78.93	190	172	190
Total	13.16	216.98			570
Uran					
All Units	10.89	166.95	466	438	480
Total	10.89	166.95			480
PENCH (MS)					
Pench (MS)	0.03	2.82	26	0	
Total	0.03	2.82			
Koyna					
Stage 1-2	4.40	95.54	540	40	600
Stage 4	9.89	157.31	1114	0	250
Stage 3	2.95	55.51	320	0	320
Kovna 12&4 Total	14.30	252.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.24	308.36			1170
Hydro					
KDPH	0.36	8.09	15	15	15
VTRNA	1.06	21.98	61	0	61
TILLARI	0.39	7.08	65	0	64
BHTGR/VEER	0.08	1.25	4	3	3
BHIRA T.R.	0.24	3.85	40	0	40
RNGR+BHTSA	0.31	5.70	13	13	15
BHANDARDRA	0.00	3.27	0	0	0
ELDARY	0.07	2.12	15	0	0
SMLHY PTN	0.88	15.91	37	36	0
GHATGHAR	0.68	13.36	125	0	0
Total	4.08	82.61			198
Wind					
MalharPeth	0.11	4.95			
Vankuswadi	0.26	8.21			
ATIT	0.02	0.94			
Kale	0.09	3.24			
Satara	0.97	33.06			
Shirala	0.10	3.43			
K Mahankal	0.01	0.41			
Supa	0.03	1.62			
Vita	0.56	17.85			
Dondaicha	4.15	51.85			
Sakri	0.42	5.66			
Nandurbar	0.55	6.08			
Khandke	0.06	4.02			
Khaparale	0.36	5.62			
Total	7.71	146.96			
CPP					
JSW JAIGAD	14.16	257.04	593	586	550
WARDHA	0.00	4.35	0	0	0
Adani	30.75	672.58	1300	1269	1851
Other CPPs	23.96	423.08			792
Total	68.87	1357.05			3193
SOLAR					
Total	0.97	18.55			
Total	0.97	18.55			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.24	206.49	462	327	500
Trombay 6	3.70	42.12	157	148	500
Trombay 7A	2.99	47.52	127	122	120
Trombay 7B	1.67	28.11	70	69	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.05	66.73	348	0	447
Total	21.66	390.97			1627
REL					
1&2	12.36	223.12	523	416	500
Total	12.36	223.12			500
Cent Sect					
Share					5360
Total					5360
MS PG CL	Thermal	123.85	2265.47		5350
	Thml+Gas	134.74	2432.42		5830
	Hydro	21.32	390.97		1368
	Total	156.06	2823.39		7198
State Total	267.66	4321.03			17878

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4872	1338	461	6671	420	2826	0	4801	5095	-903	-841	14178	7	14185	2147	16332	50.05
2	4869	1032	460	6361	506	2837	0	4799	4810	-824	-671	13843	19	13862	1958	15820	50.07
3	4978	572	461	6011	511	2845	0	4825	4949	-803	-522	13794	19	13813	1830	15643	49.90
4	5051	222	462	5735	495	2788	0	4807	4904	-785	-416	13506	37	13543	1749	15292	50.02
5	5128	239	464	5831	473	2821	0	4859	5014	-797	-403	13736	209	13945	1736	15681	50.14
6	5150	336	466	5952	390	2842	0	4915	5167	-828	-466	13885	440	14325	1797	16122	50.24
7	5156	567	464	6187	277	2767	6	4866	4813	-786	-512	13538	980	14518	1831	16349	50.11
8	5177	610	464	6251	327	2854	23	4976	5023	-756	-568	13910	1009	14919	1935	16854	50.10
9	5078	827	455	6360	398	2926	54	5049	5256	-848	-750	14244	880	15124	2156	17280	50.05
10	5121	1469	446	7036	241	2868	89	5244	5506	-994	-931	14809	634	15443	2457	17900	50.02
11	5223	1986	445	7654	151	2928	101	5457	5216	-1186	-1157	14893	671	15564	2706	18270	50.01
12	5524	1838	444	7806	113	2869	134	5461	5317	-1196	-1228	15011	876	15887	2768	18655	50.11
13	5477	1643	438	7558	114	2926	140	5371	5303	-1193	-1220	14821	1028	15849	2763	18612	50.12
14	5411	1441	441	7293	134	2908	135	5285	5550	-1139	-1168	14852	919	15771	2651	18422	50.08
15	5413	1778	441	7632	174	2932	105	5361	5454	-1170	-1244	15053	644	15697	2675	18372	50.05
16	5068	1651	450	7169	244	2882	94	5372	5813	-1192	-1224	14978	537	15515	2686	18201	49.94
17	5217	1176	457	6850	290	2916	56	5238	5761	-1186	-1159	14714	555	15269	2667	17936	49.94
18	5205	249	457	5911	364	2886	25	4819	5271	-1121	-1220	13237	681	13918	2641	16559	50.11
19	5000	277	449	5726	405	2840	3	4716	5320	-1075	-1322	12972	451	13423	2561	15984	49.98
20	5197	693	450	6340	359	2890	0	5225	5564	-1110	-1035	14144	101	14245	2657	16902	49.94
21	5184	419	452	6055	395	2907	1	5194	5862	-1108	-1056	14164	56	14220	2574	16794	50.02
22	5134	274	452	5860	340	2880	0	5134	5575	-1072	-1045	13610	36	13646	2448	16094	50.13
23	5084	184	455	5723	327	2939	0	5128	5689	-1040	-977	13701	10	13711	2363	16074	50.08
24	5137	504	455	6096	260	2796	0	5102	5739	-958	-906	13985	7	13992	2303	16295	50.08
MUs	123.85	21.32	10.89	156.07	7.71	68.87	0.97	122.00	127.97	-24.07	-22.04	339.58	10.81	350.38	56.06	406.44	50.05

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 18/Apr/2014

Position as on 6.30 Hrs of 19/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 5	500	17/04/2014	14.59		Continued.	Boiler Tube Leakage	
Chandrapur Unit 1	210	17/04/2014	22.29		Continued.	Boiler validity extension	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Apr/2014

Position as on 6.30 Hrs of 19/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - I	18/04/2014	09.22	19/04/2014	06.04	CVT Testing. Ready for Charging from 18.14.
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	18/04/2014	17.10	18/04/2014	18.11	Over Voltage.
Kolhapur - Mapusa - I	18/04/2014	18.15		Continued.	Due to B Ph. LA Sparking, RFC 20.33 Hrs.
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		
Dabhol-Nagothane - II	14/04/2014	14.30		Continued.	Hot Spot on B-Ph CT.
Padgha - Babaleshwar - II	15/04/2014	11.51		Continued.	Taken on TBC, BKR O/H work at BBLSR.
400/220 KV 315 MVA ICT-II @ Nagothane.	18/04/2014	07.16		Continued.	Painting & Pre Monsoon Maintenance Work.
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. Replacement Work by New One.
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-Jaigad I	17/04/2014	16.36		Continued.	Over Voltage
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.
Karad - Kolhapur - II	18/04/2014	16.28		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/04/2014	17.25	19/04/2014	05.27	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 : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Parbhani	19/04/2014	05.45	19/04/2014	06.09	LBB, Bus Bar Protection Operated.
220/132 KV 200 MVA ICT	19/04/2014	05.45	19/04/2014	06.07	LBB, Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Apr/2014

Position as on 6.30 Hrs of 19/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
- I @ Parbhani					
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Jintur	19/04/2014	05.45	19/04/2014	06.08	LBB,Bus Bar Protection Operated.
Parbhani-Purna	19/04/2014	05.45	19/04/2014	06.07	LBB,Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	160
	620	295
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	400
Unit 5	500	0
	1420	660
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	143
Unit 6	250	185
Unit 7	250	185
	1130	668
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	160
Unit 4	210	210
Unit 5	500	450
Unit 6	500	380
Unit 7	500	400
	2340	1770
Paras		
Unit 3	250	230
Unit 4	250	180
	500	410
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1070
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	15
GHATGHAR	250	0
	611	213
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	1356
Other CPPs	300	792
	4545	2698
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	5390
	3455	5390