



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Apr/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.577	2150.454	1) Gujrat	8.728	249.831
2) Hydro	5.951	173.092	2) Madhya Pradesh	20.040	377.897
3) Gas	14.302	232.262	3) Chattisgarh	7.660	152.030
Total MSGENCO	120.830	2555.808	4) Maharashtra	56.570	1237.560
B) 1) JSW JAIGAD	25.220	465.654	5) Goa	-5.949	-108.632
2) WPCL	7.824	139.060	6) TAPS 1&2 Injection	3.956	48.820
3) ADANI	14.510	222.530	7) RGPPL Injection	27.552	364.305
4) Other CPP / IPP	12.649	209.963	8) Pench (Excess)	0.000	-4.466
5) Wind Generation	14.039	209.087	# Total Cent. Sector	118.557	2317.345
6) PENCH (MS)	0.000	4.466	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.861	-254.979
1) TPCL Thermal	22.941	488.183	G) Bilateral Power *		
2) TPCL Hydro	3.846	71.603	1) MSEDCL Bilateral	40.978	843.519
TOTAL TPCL	26.787	559.786	Include PX	0.489	138.997
3) REL Thermal	12.416	238.637	2) MUMBAI Bilateral	15.979	288.232
D) STATE			Include PX	2.923	70.931
1) Thermal (A1+C1+C3)	135.934	2877.274	3) MUMBAI Schedule	15.979	288.232
2) Hydro (A2+B5+C2)	9.797	249.161	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.302	232.262	1) MSEDCL	296.768	5868.934
4) Wind (B4)	14.039	209.087	2) TPCL	36.378	692.079
5) CPP (B1+B2+B3)	60.203	829.187	3) REL	19.682	361.253
TOTAL STATE	234.275	4396.971	TOTAL STATE	352.828	6922.266

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4123	4291	3976
MSGENCO Hydro	852	179	118
MSGENCO Gas	596	604	634
MSGENCO Total Generation	5571	5074	4728
Central Sector Receipt	5820	4980	4442
WIND	132	911	783
CPP / IPP	2563	2428	2426
Exchange with Mumbai	-802	-1111	-281
MSEDCL DEMAND MET	13284	12282	12098
Load Shedding	601	167	226
MSEDCL DEMAND	13885	12449	12324
TPCL GENERATION	1421	1087	899
R-INFRA GENERATION	525	522	524
TPCL+R-INFRA DEMAND	2748	2720	1704
STATE DEMAND MET	16032	15002	13802
STATE DEMAND	16633	15169	14028
Frequency (Hz)	49.90	50.13	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 17.13 Hrs	49.62 Hz at 10.17 Hrs	50.02	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 19/Apr/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	2.22	70.66	170	0	0
Unit 7	3.78	75.89	181	140	150
Total	6.00	146.55			150
Bhusawal					
Unit 2	3.78	73.54	170	150	150
Unit 3	3.82	74.08	170	155	150
Unit 4	8.04	149.07	440	240	330
Unit 5	0.00	45.70	0	0	0
Total	15.65	342.38			630
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	0.00	47.45	0	0	0
Unit 2	3.52	70.24	161	133	160
Unit 3	4.87	78.03	210	185	200
Unit 4	4.59	83.46	200	167	200
Unit 5	0.00	124.93	0	0	0
Unit 6	10.48	181.15	446	415	450
Unit 7	9.46	174.84	407	370	400
Total	32.93	760.10			1410
Paras					
Unit 3	5.72	111.46	253	220	220
Unit 4	5.99	97.69	260	218	250
Total	11.71	209.15			470
Khaparkheda					
Unit 1	3.40	70.52	170	105	160
Unit 2	3.62	65.89	160	140	160
Unit 3	4.02	72.10	180	155	160
Unit 4	4.27	77.25	203	162	160
Unit 5	10.05	171.28	520	337	500
Total	25.36	457.03			1140
Nasik					
Unit 3	4.49	84.38	200	175	195
Unit 4	0.00	65.08	0	0	0
Unit 5	4.44	85.79	201	172	195
Total	8.94	235.25			390
Uran					
All Units	14.30	232.26	640	490	600
Total	14.30	232.26			600
PENCH (MS)					
Pench (MS)	0.00	4.47	0	0	
Total	0.00	4.47			
Koyna					
Stage 1-2	1.78	47.69	310	40	530
Stage 4	0.21	22.06	141	0	250
Stage 3	0.59	15.79	160	0	240
Kovna 12&4 Total	1.99	69.76			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.58	85.55			1020
Hydro					
KDPH	0.88	14.31	37	36	36
VTRNA	0.94	18.32	61	0	60
TILLARI	0.36	6.68	60	0	60
BHTGR/VEER	0.05	0.88	2	2	2
BHIRA T.R.	0.19	3.50	61	0	80
RNGR+BHTSA	0.30	5.91	13	12	14
BHANDARDRA	0.00	1.70	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.66	18.47	28	27	0
GHATGHAR	0.00	17.78	0	0	0
Total	3.37	87.54			252
Wind					
MalharPeth	0.67	9.65			
Vankuswadi	0.90	13.11			
ATIT	0.43	3.82			
Kale	0.32	4.96			
Satara	1.19	17.93			
Shirala	0.49	7.11			
K Mahankal	0.43	12.90			
Supa	0.17	2.53			
Vita	1.34	22.80			
Dondaicha	5.67	79.11			
Sakri	0.70	10.00			
Nandurbar	0.62	8.58			
Khandke	0.72	9.19			
Khaparale	0.39	7.40			
Total	14.04	209.09			
CPP					
JSW JAIGAD	25.22	465.65	1133	871	1005
WARDHA	7.82	139.06	331	318	328
Adani	14.51	222.53	620	550	617
Other CPPs	12.65	209.96			200
Total	60.20	1037.21			2150
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.91	208.70	502	476	500
Trombay 6	4.87	83.41	338	147	500
Trombay 7A	0.09	53.08	76	0	0
Trombay 7B	0.05	29.00	54	0	0
Trombay 8	6.02	113.99	253	249	250
TATA Hydro	3.85	71.60	355	0	422
Total	26.79	559.79			1672
REL					
1&2	12.42	238.64	526	425	500
Total	12.42	238.64			500
Cent Sect					
Share					5736
Total					5736

MS PG CL	Thermal	100.58	2150.45			4190
	Thml+Gas	114.88	2382.72			4790
	Hydro	5.95	173.09			1272
	Total	120.83	2555.81			6062
State Total		234.28	4396.97			16120

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Apr/2013

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	4392	143	490	5025	876	2603	4807	4629	-527	-480	12653	142	12795	2129	14924	49.66
2	4352	118	565	5035	765	2574	4710	4423	-437	-380	12417	193	12610	1922	14532	49.95
3	4104	118	618	4840	781	2485	4789	4516	-466	-304	12318	209	12527	1773	14300	49.95
4	3976	118	634	4728	783	2426	4790	4442	-432	-281	12098	226	12324	1704	14028	50.03
5	4041	118	635	4794	729	2425	4771	4480	-413	-252	12176	262	12438	1680	14118	49.94
6	4046	228	637	4911	563	2475	4765	4776	-409	-312	12413	473	12886	1750	14636	50.02
7	4171	153	640	4964	460	2559	4964	4592	-424	-368	12207	991	13198	1798	14996	50.10
8	4136	143	635	4914	264	2551	5005	4873	-450	-423	12179	978	13157	1900	15057	50.07
9	4132	209	627	4968	225	2542	5118	5419	-618	-551	12603	909	13512	2157	15669	49.95
10	4140	602	615	5357	172	2592	5481	5678	-810	-698	13101	636	13737	2490	16227	49.87
11	4123	852	596	5571	132	2563	5745	5820	-905	-802	13284	601	13885	2748	16633	49.90
12	4121	535	585	5241	189	2580	5857	5831	-957	-836	13005	762	13767	2802	16569	49.93
13	4244	351	585	5180	174	2570	5597	5564	-949	-878	12610	882	13492	2799	16291	50.01
14	4295	187	584	5066	334	2568	5515	5170	-935	-854	12284	699	12983	2673	15656	50.00
15	4270	179	585	5034	484	2594	5445	5324	-933	-906	12530	355	12885	2719	15604	49.93
16	4285	184	585	5054	711	2577	5286	5261	-929	-878	12725	234	12959	2767	15726	50.02
17	4291	179	604	5074	911	2428	5303	4980	-923	-1111	12282	167	12449	2720	15169	50.13
18	4241	185	605	5031	1040	2434	4581	4355	-814	-1219	11641	95	11736	2662	14398	50.23
19	4106	185	605	4896	1057	2290	4380	4222	-708	-1104	11361	71	11432	2577	14009	50.19
20	4078	303	600	4981	1078	2402	4732	4760	-628	-931	12290	71	12361	2661	15022	50.02
21	4179	277	581	5037	852	2456	4720	4754	-589	-932	12167	70	12237	2536	14773	50.13
22	4277	185	571	5033	516	2447	4706	4796	-565	-890	11902	62	11964	2460	14424	50.14
23	4294	194	574	5062	388	2458	4715	4895	-575	-789	12014	58	12072	2376	14448	50.08
24	4283	205	546	5034	555	2604	4759	4997	-583	-682	12508	61	12569	2261	14830	50.11
MUs	100.58	5.95	14.30	120.83	14.04	60.20	120.54	118.56	-15.98	-16.86	296.77	9.21	305.98	56.06	362.04	50.02

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 19/Apr/2013

Position as on 6.30 Hrs of 20/Apr/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
Koyna Unit 2	75	15/04/2013	07.10		Continued.	Realignment work.	30/04/2013
Chandrapur Unit 1	210	15/04/2013	23.42		Continued.	Boiler validity ext.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	No Schedule.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Bhusawal Unit 5	500	16/04/2013	04.25		Continued.	Furnace Pressure High.	
Hydro GhatgharU2	125	16/04/2013	10.30		Continued.	Water seepage from turbine spiral casing foundation.(4 days outage)	
CPP WPCL U-3	135	16/04/2013	18.30		Continued.	Filter replacement.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
Chandrapur Unit 5	500	17/04/2013	20.45	20/04/2013	01.59	Boiler tube leakage.	
Nasik Unit 4	210	18/04/2013	12:15		Continued.	Boiler Tube Leakage.	
Tata Trombay 7B	60	19/04/2013	01:12		Continued.	Boiler Tube Leakage.	
Tata Trombay 7A	120	19/04/2013	01:24		Continued.	Due to Open cycle.	
Koradi Unit 6	210	19/04/2013	02:06	19/04/2013	12.10	Furnace Pressure Low.	
Chandrapur Unit 5	500	20/04/2013	02.03	20/04/2013	02.53	Tripped	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Apr/2013

Position as on 6.30 Hrs of 20/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthing Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Dhule - S'Sarovar- II	16/04/2013	18.13		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	18/04/2013	16:37	19/04/2013	09.29	Over Voltage.
Kolhapur - Mapusa - I	18/04/2013	17:11	19/04/2013	08.35	Over Voltage.
Kolhapur-Mapusa-II	19/04/2013	16.39		Continued.	Over Voltage
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Wardha-RLY TSS I	15/04/2013	10.36		Continued.	Repl of CB under LES.
Newkoyna -Lote-Parsuram	18/04/2013	07.47	19/04/2013	22.42	Erection and Commissioning of CB
Nanded - Parali	19/04/2013	08.27	19/04/2013	10.47	Hot Spot
Uran-Kharghar-II	19/04/2013	09.36	19/04/2013	17.30	R.M.Work
Mudshingi - Chikodi	19/04/2013	12.20	19/04/2013	20.22	Insulator replacement work
Mudshingi - Talandage - I	19/04/2013	12.28	19/04/2013	19.28	Replacement of Old Disc Insulator
Miraj -Ichalkarajni	19/04/2013	15.18		Continued.	Distance Relay retrofitting work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	17/04/2013	17.04		Continued.	Over Voltage.
Karad - Kolhapur - II	18/04/2013	21:55		Continued.	Over Voltage.
Warora - Wardha (PG) - II	19/04/2013	19.40		Continued.	Sparking at B Phase CT at Wardha
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhili.
Babaleshwar - Chalisgaon	19/04/2013	08.20	19/04/2013	09.56	Breaker Problem, taken on TBC
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Warora-Tiroda-I	02/04/2013	14.05		Continued.	Over Voltage.
Padgha - Nagothane - I	20/04/2013	02.28	20/04/2013	05.27	Over Voltage
Kalwa-Kharghar	20/04/2013	03.05		Continued.	Over Voltage
Padgha - Nagothane- II	20/04/2013	04.34		Continued.	Distance protection
Voltage Level : 220KV			Outage Type TRIPPED		
Main Bus-II at BBLSR	19/04/2013	08.46	19/04/2013	08.51	Bus Bar Prot.operated
Voltage Level : 132KV			Outage Type TRIPPED		
Karanja-Mangrulpir	19/04/2013	17.35	19/04/2013	17.40	Distance protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Apr/2013

Position as on 6.30 Hrs of 20/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Daund - Adegaon	20/04/2013	04.05	20/04/2013	05.55	Transient Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	165
	620	330
Bhusawal		
Unit 2	210	150
Unit 3	210	160
Unit 4	500	430
Unit 5	500	0
	1420	740
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	210
Unit 4	210	200
Unit 5	500	300
Unit 6	500	450
Unit 7	500	400
	2340	1690
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	170
Unit 4	210	180
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
Uran		
All Units	852	620
	852	620
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	252
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	1005
WARDHA	405	328
Adani	1320	617
Other CPPs	300	200
	3225	2150
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	5707
	3455	5707