



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Apr/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.282	1279.561	1) Gujrat	13.630	170.932
2) Hydro	7.241	101.043	2) Madhya Pradesh	18.826	218.091
3) Gas	12.737	125.067	3) Chattisgarh	7.420	86.330
Total MSGENCO	134.260	1505.671	4) Maharashtra	54.497	743.275
B) 1) JSW JAIGAD	23.312	264.765	5) Goa	-5.942	-66.579
2) WPCL	7.407	79.508	6) TAPS 1&2 Injection	3.908	17.386
3) ADANI	14.630	105.700	7) RGPPL Injection	29.100	203.186
4) Other CPP / IPP	11.902	110.115	8) Pench (Excess)	-0.401	-3.296
5) Wind Generation	7.104	103.141	# Total Cent. Sector	121.038	1369.325
6) PENCH (MS)	0.401	3.296	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.308	-139.492
1) TPCL Thermal	25.166	285.391	G) Bilateral Power *		
2) TPCL Hydro	3.886	41.423	1) MSEDCL Bilateral	40.605	477.314
TOTAL TPCL	29.052	326.814	Include PX	0.930	94.313
3) REL Thermal	12.630	138.288	2) MUMBAI Bilateral	13.373	162.981
D) STATE			Include PX	1.645	42.705
1) Thermal (A1+C1+C3)	152.078	1703.240	3) MUMBAI Schedule	13.373	162.981
2) Hydro (A2+B5+C2)	11.528	145.762	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.737	125.067	1) MSEDCL	309.746	3402.029
4) Wind (B4)	7.104	103.141	2) TPCL	33.601	398.531
5) CPP (B1+B2+B3)	57.251	469.018	3) REL	18.385	206.009
TOTAL STATE	240.698	2546.228	TOTAL STATE	361.732	4006.569

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	4852	4989	4860
MSGENCO Hydro	353	424	163
MSGENCO Gas	552	519	522
MSGENCO Total Generation	5757	5932	5545
Central Sector Receipt	5966	5152	4662
WIND	113	262	388
CPP / IPP	2442	2333	2333
Exchange with Mumbai	-477	-500	-282
MSEDCL DEMAND MET	13827	13179	12646
Load Shedding	256	187	208
MSEDCL DEMAND	14083	13366	12854
TPCL GENERATION	1421	1355	885
R-INFRA GENERATION	525	526	527
TPCL+R-INFRA DEMAND	2423	2381	1694
STATE DEMAND MET	16250	15560	14340
STATE DEMAND	16506	15747	14548
Frequency (Hz)	50.01	49.96	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 18:00 Hrs	49.53 Hz at 23:03 Hrs	49.95	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 11/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	4.23	40.91	184	165	174
Unit 7	4.01	45.94	190	140	178
Total	8.23	86.85			352
Bhusawal					
Unit 2	3.64	42.44	170	135	125
Unit 3	3.61	43.48	170	130	143
Unit 4	4.12	91.79	345	0	300
Unit 5	0.00	38.57	0	0	0
Total	11.38	216.28			568
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	3.14	34.58	136	125	140
Unit 2	3.60	40.05	162	132	150
Unit 3	4.48	39.73	197	168	200
Unit 4	4.40	47.18	193	145	200
Unit 5	9.41	62.92	440	260	400
Unit 6	8.76	112.56	450	0	450
Unit 7	9.40	99.93	440	340	375
Total	43.18	436.95			1915
Paras					
Unit 3	6.03	65.38	259	240	250
Unit 4	6.02	62.38	260	226	250
Total	12.05	127.76			500
Khaparkheda					
Unit 1	4.04	41.97	185	130	180
Unit 2	3.40	38.29	160	120	150
Unit 3	4.23	41.83	185	165	180
Unit 4	4.05	44.62	201	147	200
Unit 5	10.81	99.92	495	390	450
Total	26.53	266.64			1160
Nasik					
Unit 3	4.38	48.57	190	170	195
Unit 4	4.11	46.95	180	162	185
Unit 5	4.43	49.56	202	172	195
Total	12.92	145.08			575
Uran					
All Units	12.74	125.07	563	499	540
Total	12.74	125.07			540
PENCH (MS)					
Pench (MS)	0.40	3.30	54	0	0
Total	0.40	3.30			0
Koyna					
Stage 1-2	1.47	28.50	235	40	600
Stage 4	0.00	9.70	0	0	250
Stage 3	0.38	8.43	124	0	240
Kovna 12&4 Total	1.47	38.20			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.85	46.64			1090
Hydro					
KDPH	0.90	8.12	38	37	36
VTRNA	1.01	10.76	61	0	60
TILLARI	0.36	3.89	60	0	60
BHTGR/VEER	0.05	0.50	2	1	2
BHIRA T.R.	0.10	1.87	80	0	80
RNGR+BHTSA	0.31	3.48	13	12	13
BHANDARDRA	0.48	0.48	20	20	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.96	11.03	41	40	0
GHATGHAR	1.23	14.28	238	0	0
Total	5.39	54.41			251
Wind					
MalharPeth	0.28	5.57			
Vankuswadi	0.38	6.83			
ATIT	0.05	2.09			
Kale	0.19	2.58			
Satara	1.03	7.88			
Shirala	0.18	3.76			
K Mahankal	0.03	7.39			
Supa	0.20	1.49			
Vita	0.71	11.92			
Dondaicha	2.58	36.25			
Sakri	0.35	4.70			
Nandurbar	0.32	4.13			
Khandke	0.52	4.76			
Khaparale	0.29	3.77			
Total	7.10	103.14			
CPP					
JSW JAIGAD	23.31	264.76	1089	893	980
WARDHA	7.41	79.51	313	300	307
Adani	14.63	105.70	620	600	617
Other CPPs	11.90	110.12			
Total	57.25	560.09			1904
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.94	120.31	502	283	500
Trombay 6	3.60	49.32	151	149	500
Trombay 7A	2.97	32.22	126	121	120
Trombay 7B	1.62	17.70	68	67	60
Trombay 8	6.04	65.84	253	250	250
TATA Hydro	3.89	41.42	406	0	447
Total	29.05	326.81			1877
REL					
1&2	12.63	138.29	528	524	500
Total	12.63	138.29			500
Cent Sect					
Share					5055
Total					5055

MS PG CL	Thermal	114.28	1279.56			5070
	Thml+Gas	127.02	1404.63			5610
	Hydro	7.24	101.04			1341
	Total	134.26	1505.67			6951
State Total		240.70	2546.23			16287

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4829	166	521	5516	452	2491	4822	4949	-521	-389	13045	129	13174	2044	15218	49.92
2	4836	151	522	5509	545	2370	4756	4692	-455	-238	12904	175	13079	1867	14946	49.84
3	4926	152	523	5601	485	2335	4749	4554	-454	-257	12728	195	12923	1747	14670	49.90
4	4860	163	522	5545	388	2333	4598	4662	-447	-282	12646	208	12854	1694	14548	49.92
5	4831	153	520	5504	375	2336	4587	4813	-438	-259	12769	252	13021	1676	14697	49.86
6	4728	298	530	5556	350	2332	4582	4827	-439	-170	12895	416	13311	1728	15039	49.83
7	4816	183	563	5562	400	2339	4729	4477	-431	-172	12606	847	13453	1761	15214	50.01
8	4831	210	553	5594	352	2376	4723	4511	-442	-214	12639	694	13333	1832	15165	50.07
9	4784	214	557	5555	294	2492	4795	5113	-513	-389	13092	373	13465	2002	15467	50.03
10	4782	276	554	5612	200	2466	5289	5456	-618	-502	13259	255	13514	2243	15757	49.98
11	4852	353	552	5757	113	2442	5421	5966	-623	-477	13827	256	14083	2423	16506	50.01
12	4875	292	553	5720	79	2449	5476	5826	-664	-465	13635	362	13997	2481	16478	49.99
13	4957	218	540	5715	46	2447	5403	5597	-660	-503	13305	416	13721	2484	16205	49.93
14	4919	213	518	5650	84	2443	5311	5685	-664	-503	13359	369	13728	2401	16129	49.99
15	4883	217	519	5619	220	2427	5330	5571	-640	-472	13365	270	13635	2395	16030	49.97
16	4943	352	518	5813	256	2447	5214	5485	-638	-459	13542	217	13759	2400	16159	49.95
17	4989	424	519	5932	262	2333	5158	5152	-632	-500	13179	187	13366	2381	15747	49.96
18	4805	229	524	5558	233	2298	4803	4611	-599	-659	12041	171	12212	2327	14539	50.06
19	4712	278	535	5525	267	2328	4398	3782	-470	-744	11178	141	11319	2321	13640	50.05
20	4686	384	535	5605	326	2347	4958	5199	-557	-576	12954	99	13053	2486	15539	49.86
21	4221	578	534	5333	346	2349	4949	5301	-592	-570	12813	87	12900	2474	15374	49.93
22	4299	575	527	5401	340	2350	4967	5026	-611	-541	12606	67	12673	2359	15032	50.00
23	4437	502	499	5438	361	2338	4875	5016	-649	-509	12671	60	12731	2279	15010	49.79
24	4481	660	499	5640	330	2383	4644	4767	-617	-458	12688	60	12748	2185	14933	49.83
MUs	114.28	7.24	12.74	134.26	7.10	57.25	118.54	121.04	-13.37	-10.31	309.75	6.31	316.05	51.99	368.04	49.95

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 11/Apr/2013

Position as on 6.30 Hrs of 12/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.	12/04/2013
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.	
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.	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
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	10/04/2013	11.17		Continued.	Air heater problem.	
Bhusawal Unit 4	500	11/04/2013	17.13	11/04/2013	19.46	High Drum Level	
Chandrapur Unit 6	500	11/04/2013	19.54		Continued.	Condensor Vacuum pressure high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Apr/2013

Position as on 6.30 Hrs of 12/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli (PG)-Bhadravati I	10/04/2013	19.35		Continued.	To attend CVT problem at Bhadravati.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Kolhapur - Mapusa - I	10/04/2013	16.42	11/04/2013	09.50	Over Voltage.
Dhule-S'Sarovar I	11/04/2013	02.09		Continued.	Over Voltage.
Kolhapur-Mapusa-II	11/04/2013	16.31		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - Babhaleshwar - I	06/04/2013	11.26		Continued.	CB Overhauling Work(Taken on TBC).
400/220 KV,500MVA ICT - III at Parly	11/04/2013	09.30	11/04/2013	18.54	Hot Spot
New Koyna - Stage IV	11/04/2013	09.57	11/04/2013	19.21	Cold Line Washing of Insulator String
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 10/4/13)
Kalwa - Khargar	05/04/2013	10.52		Continued.	Mumbai Strengthening Work.
Sahara-B'dying	11/04/2013	08.28	11/04/2013	15.45	Replacement of Line Isolator
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Paras - Akola - I	11/04/2013	23.29	12/04/2013	00.15	Hot Glow observed on Y Phase 29C Isolator
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
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/04/2013	16.32		Continued.	Over Voltage.
Karad - Kolhapur - I	11/04/2013	17.03		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
Gorai - Borivali - II	04/04/2013	12:03		Continued.	Safety Purpose.(to work of 220 KV Gorai-Borivali - I Work.)
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.
Wardha-Warora-II	10/04/2013	14.23		Continued.	Distance protection R ph.to earth.
Karad - Kolhapur - I	10/04/2013	17.14	11/04/2013	08.21	Over Voltage.
Parli - Lamboti	11/04/2013	18.00	11/04/2013	19.30	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali (M) - Gorai (Rel) - I (cable)	31/03/2013	21:56		Continued.	Line diferential protection, dist.,protection tripped at both ends.
Khaparkhedha-Kawlewada-I	11/04/2013	00.04	11/04/2013	00.25	Distance protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Apr/2013

Position as on 6.30 Hrs of 12/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
Kallamb - Bhoom	10/04/2013	19.40	11/04/2013	03.50	Distance protection operated.
Ambazari-Manakapur Ckt.II	11/04/2013	20.50	11/04/2013	21.21	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	180
Unit 7	210	180
	620	360
Bhusawal		
Unit 2	210	170
Unit 3	210	160
Unit 4	500	168
Unit 5	500	0
	1420	498
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	135
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	425
	2340	1570
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	170
Unit 4	210	190
Unit 5	500	500
	1340	1210
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	490
	852	490
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
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	13
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	271
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	980
WARDHA	405	310
Adani	1320	617
Other CPPs	0	
	2925	1907
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	5188
	3455	5188