



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Apr/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.168	1387.729	1) Gujrat	8.795	179.727
2) Hydro	11.711	112.754	2) Madhya Pradesh	18.962	237.053
3) Gas	12.433	137.500	3) Chattisgarh	7.970	94.300
Total MSGENCO	132.312	1637.983	4) Maharashtra	57.501	800.776
B) 1) JSW JAIGAD	24.275	289.040	5) Goa	-6.163	-72.742
2) WPCL	7.323	86.831	6) TAPS 1&2 Injection	3.903	21.289
3) ADANI	14.620	120.320	7) RGPPL Injection	29.326	232.512
4) Other CPP / IPP	12.612	122.727	8) Pench (Excess)	-0.392	-3.688
5) Wind Generation	7.773	110.914	# Total Cent. Sector	119.902	1489.227
6) PENCH (MS)	0.392	3.688	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.421	-153.913
1) TPCL Thermal	26.281	311.672	G) Bilateral Power *		
2) TPCL Hydro	4.613	46.036	1) MSEDCL Bilateral	40.486	517.800
TOTAL TPCL	30.894	357.708	Include PX	0.074	94.387
3) REL Thermal	12.400	150.688	2) MUMBAI Bilateral	16.886	179.867
D) STATE			Include PX	4.495	47.201
1) Thermal (A1+C1+C3)	146.849	1850.089	3) MUMBAI Schedule	16.886	179.867
2) Hydro (A2+B5+C2)	16.716	162.478	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.433	137.500	1) MSEDCL	304.788	3706.817
4) Wind (B4)	7.773	110.914	2) TPCL	37.824	436.355
5) CPP (B1+B2+B3)	58.830	513.218	3) REL	19.888	225.897
TOTAL STATE	242.601	2774.199	TOTAL STATE	362.500	4369.069

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	4495	4279	4631
MSGENCO Hydro	616	1025	163
MSGENCO Gas	530	531	500
MSGENCO Total Generation	5641	5835	5294
Central Sector Receipt	5983	5204	4346
WIND	176	319	574
CPP / IPP	2481	2478	2302
Exchange with Mumbai	-814	-833	-331
MSEDCL DEMAND MET	13467	13003	12185
Load Shedding	511	475	193
MSEDCL DEMAND	13978	13478	12378
TPCL GENERATION	1571	1565	882
R-INFRA GENERATION	526	525	441
TPCL+R-INFRA DEMAND	2911	2923	1654
STATE DEMAND MET	16378	15926	13839
STATE DEMAND	16889	16401	14032
Frequency (Hz)	49.95	49.88	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 07.58 Hrs	49.39 Hz at 21.04 Hrs	49.93	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 12/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	4.10	45.01	191	150	180
Unit 7	3.83	49.77	190	110	180
Total	7.93	94.78			360
Bhusawal					
Unit 2	3.99	46.43	175	150	170
Unit 3	3.69	47.16	170	125	160
Unit 4	5.58	97.37	375	160	168
Unit 5	0.00	38.57	0	0	0
Total	13.26	229.53			498
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	3.26	37.84	139	132	135
Unit 2	3.74	43.79	165	150	160
Unit 3	4.64	44.37	200	172	200
Unit 4	4.35	51.53	192	162	200
Unit 5	10.37	73.29	460	385	450
Unit 6	0.00	112.56	0	0	0
Unit 7	9.85	109.78	425	385	425
Total	36.20	473.16			1570
Paras					
Unit 3	5.80	71.18	260	221	250
Unit 4	5.75	68.13	258	218	250
Total	11.54	139.30			500
Khaparkheda					
Unit 1	4.03	46.00	185	140	180
Unit 2	3.40	41.69	165	105	170
Unit 3	4.10	45.93	188	155	170
Unit 4	4.22	48.84	200	158	190
Unit 5	10.43	110.36	506	360	500
Total	26.18	292.81			1210
Nasik					
Unit 3	4.40	52.96	195	175	195
Unit 4	4.14	51.09	185	159	185
Unit 5	4.53	54.09	198	174	195
Total	13.06	158.15			575
Uran					
All Units	12.43	137.50	537	493	490
Total	12.43	137.50			490
PENCH (MS)					
Pench (MS)	0.39	3.69	52	0	
Total	0.39	3.69			
Koyna					
Stage 1-2	3.52	32.02	560	40	600
Stage 4	1.37	11.07	470	0	250
Stage 3	1.00	9.43	104	0	240
Kovna 12&4 Total	4.89	43.09			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.89	52.53			1090
Hydro					
KDPH	0.90	9.02	38	37	36
VTRNA	0.95	11.72	61	0	60
TILLARI	0.36	4.25	60	0	60
BHTGR/VEER	0.05	0.54	2	2	2
BHIRA T.R.	0.28	2.15	80	0	80
RNGR+BHTSA	0.31	3.78	13	12	13
BHANDARDRA	0.49	0.97	21	20	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.12	12.15	47	46	0
GHATGHAR	1.37	15.65	250	0	0
Total	5.82	60.23			271
Wind					
MalharPeth	0.37	5.94			
Vankuswadi	0.41	7.24			
ATIT	0.19	2.29			
Kale	0.17	2.75			
Satara	0.29	8.18			
Shirala	0.46	4.23			
K Mahankal	0.40	7.79			
Supa	0.15	1.64			
Vita	1.28	13.20			
Dondaicha	2.82	39.07			
Sakri	0.35	5.05			
Nandurbar	0.27	4.40			
Khandke	0.36	5.13			
Khaparale	0.24	4.01			
Total	7.77	110.91			
CPP					
JSW JAIGAD	24.28	289.04	1089	889	980
WARDHA	7.32	86.83	312	298	310
Adani	14.62	120.32	620	600	617
Other CPPs	12.61	122.73			
Total	58.83	618.92			1907
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.16	131.46	503	287	500
Trombay 6	4.50	53.83	240	150	500
Trombay 7A	2.96	35.18	127	120	120
Trombay 7B	1.62	19.32	68	66	60
Trombay 8	6.05	71.88	253	250	250
TATA Hydro	4.61	46.04	451	0	447
Total	30.89	357.71			1877
REL					
1&2	12.40	150.69	527	421	500
Total	12.40	150.69			500
Cent Sect					
Share					5188
Total					5188

MS PG CL	Thermal	108.17	1387.73			4713
	Thml+Gas	120.60	1525.23			5203
	Hydro	11.71	112.75			1361
	Total	132.31	1637.98			6564
State Total		242.60	2774.20			16036

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4620	354	502	5476	389	2465	4716	4752	-536	-368	12759	60	12819	2001	14820	50.02
2	4583	168	500	5251	439	2297	4674	4601	-470	-231	12382	179	12561	1829	14390	49.98
3	4631	163	500	5294	567	2294	4497	4542	-465	-253	12445	182	12627	1721	14348	50.07
4	4631	163	500	5294	574	2302	4362	4346	-436	-331	12185	193	12378	1654	14032	50.09
5	4656	178	499	5333	542	2292	4345	4472	-417	-332	12307	211	12518	1640	14158	49.99
6	4637	183	527	5347	566	2296	4630	4582	-422	-317	12474	370	12844	1725	14569	49.94
7	4638	173	533	5344	540	2358	4812	4428	-453	-223	12447	828	13275	1791	15066	50.04
8	4647	171	537	5355	416	2453	4850	4703	-472	-307	12620	819	13439	1924	15363	50.05
9	4632	224	532	5388	290	2457	4974	5107	-611	-582	12660	770	13430	2240	15670	50.00
10	4533	443	529	5505	230	2472	5266	5651	-810	-740	13118	527	13645	2642	16287	49.91
11	4495	616	530	5641	176	2481	5445	5983	-886	-814	13467	511	13978	2911	16889	49.95
12	4367	856	531	5754	82	2488	5510	5425	-968	-833	12916	626	13542	2960	16502	49.88
13	4364	637	531	5532	27	2493	5551	5776	-973	-813	13015	796	13811	2958	16769	49.90
14	4369	524	533	5426	29	2527	5472	5741	-892	-763	12960	707	13667	2861	16528	49.85
15	4341	909	531	5781	62	2547	5339	5543	-901	-828	13105	583	13688	2914	16602	49.82
16	4293	1290	531	6114	175	2519	5211	5528	-929	-803	13533	496	14029	2932	16961	49.88
17	4279	1025	531	5835	319	2478	5200	5204	-910	-833	13003	475	13478	2923	16401	49.88
18	4340	274	530	5144	335	2383	4813	4977	-843	-940	11922	522	12444	2827	15271	50.01
19	4373	326	532	5231	355	2405	4438	4198	-784	-923	11315	397	11712	2703	14415	49.91
20	4458	500	509	5467	348	2572	5107	4902	-853	-781	12558	269	12827	2754	15581	49.82
21	4569	435	500	5504	422	2582	5092	4964	-827	-685	12836	167	13003	2656	15659	49.72
22	4584	367	493	5444	337	2547	5026	4905	-717	-633	12647	83	12730	2510	15240	49.85
23	4612	670	494	5776	273	2552	4813	4707	-654	-562	12798	27	12825	2371	15196	49.81
24	4515	1062	498	6075	280	2570	4714	4865	-657	-526	13315	26	13341	2268	15609	49.91
MUs	108.17	11.71	12.43	132.31	7.77	58.83	118.86	119.90	-16.89	-14.42	304.79	9.82	314.61	57.72	372.33	49.93

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 12/Apr/2013

Position as on 6.30 Hrs of 13/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.	13/04/2013
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.	
Chandrapur Unit 6	500	11/04/2013	19.54	13/04/2013	06.57	Condensor Vacuum pressure high	
Nasik Unit 4	210	13/04/2013	00.05		Continued.	Boiler Tube Leakage.	16/04/2013

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2013

Position as on 6.30 Hrs of 13/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 FORCED OUTAGE		
Koradi-Satpur	12/04/2013	15.44	12/04/2013	21.31	Hot Spot Y Phase C T.
Wardha (PG) - Warora - I	12/04/2013	20.50		Continued.	Attending Sparking on B Ph.L A.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Dhule-S'Sarovar I	11/04/2013	02.09		Continued.	Over Voltage.
Kolhapur-Mapusa-II	11/04/2013	16.31	12/04/2013	09.18	Over Voltage
Kolhapur - Mapusa - I	12/04/2013	16.41		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli - Solapur (PGCIL) - I	12/04/2013	17.54	12/04/2013	18.54	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).
Lonikand-Kalwa	12/04/2013	08.33	12/04/2013	18.02	Bay Maint.& Measure of C B Timing & Tandelta.
400/220KV,500 MVA ICT-III At A'bad.	12/04/2013	10.24	12/04/2013	17.42	To Attend Alignment Prob. of 29C Isol.
400/220KV 500MVA ICT-III at Bableshevar	13/04/2013	00.15		Continued.	Painting of IPS Tube & Support Insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41	12/04/2013	17.05	Isolator replacement work(Up to 10/4/13)
Kalwa - Khargar	05/04/2013	10.52		Continued.	Mumbai Strengthening Work.
Hinganghat-Bhugaon	12/04/2013	07.54	12/04/2013	19.52	Stringing Work of 765KV D/C Raipur Wardha Parli-III.
Warora-Wardha	12/04/2013	07.55	12/04/2013	19.41	Stringing Work of 765KV D/C Raipur Wardha Parli-III
Karad-Mudsingi-IV	12/04/2013	08.59	12/04/2013	18.48	Repl.of Old Disc Insul. by Long Road Polymer.
Jambhul - Anandnagar	12/04/2013	09.02	12/04/2013	19.55	Maintenance Work.
220/132KV 150 MVA ICT-I Boiser	12/04/2013	10.21	12/04/2013	16.10	Diagnostic Test as per the Inst.of S E,TCC Vashi.
220/110 KV 200 MVA T/F - I @ Mudsinghi	12/04/2013	10.25	12/04/2013	17.15	Q.M.Work.
Karad - Vita - I	12/04/2013	10.39	12/04/2013	13.16	Tan Delta Testing Work of C T's.
Bale-Usmanabad	12/04/2013	11.36	12/04/2013	17.35	Armouring Work @ Loc No.95.
Nivali-Pawas	12/04/2013	12.20	12/04/2013	13.29	Hot Washing Work,from M/S Finolex.
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	06.12		Continued.	To Attend Hot Spot.
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 @	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2013

Position as on 6.30 Hrs of 13/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - II					
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	12/04/2013	08.23	Over Voltage
400/220 KV 315 MVA ICT - I @ Aurangabad	12/04/2013	17.48	12/04/2013	17.53	Load Balancing.
Karad - Kolhapur - I	12/04/2013	18.50	13/04/2013	06.32	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Gorai - Borivali - II	04/04/2013	12:03		Continued.	Safety Purpose.(to work of 220 KV Gorai-Borivali - I Work.)
Chikhali - Jalna - II	12/04/2013	00.29	12/04/2013	08.55	To Control Over Loading of 220KV Paras-Chikhili.
Bhenda-Waluj	12/04/2013	09.08	12/04/2013	18.01	To Control A'bad Loading for A'bad ICT Outage.
Alephata-Kathapur	12/04/2013	09.33	12/04/2013	18.12	To Control Bblsr ICT Loading(Outage on A'bad ICT).
Aurangabad - Babaleshwar	12/04/2013	09.36	12/04/2013	18.00	To Control A'bad Loading for A'bad ICT Outage.
Murud - Girawli.	12/04/2013	11.39	12/04/2013	18.15	In View of Usmanabad-Bale Outage.
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhili.
Babaleshwar - Alephata	13/04/2013	00.08		Continued.	To Avail Outage on ICT-III @ Bblsr.
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.
Wardha-Warora-II	10/04/2013	14.23	12/04/2013	15.59	Distance protection R ph.to earth.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	170
Unit 3	210	150
Unit 4	500	350
Unit 5	500	0
	1420	670
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	140
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	1575
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	400
	1340	1050
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
Uran		
All Units	852	540
	852	540
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	1005
WARDHA	405	317
Adani	1320	610
Other CPPs	0	
	2925	1932
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	5482
	3455	5482