



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Jan/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.917	1554.868	1) Gujrat	9.651	109.640
2) Hydro	9.774	121.946	2) Madhya Pradesh	15.587	182.059
3) Gas	11.761	139.459	3) Chattisgarh	9.620	123.830
Total MSGENCO	135.452	1816.273	4) Maharashtra	62.686	803.205
B) 1) JSW JAIGAD	26.572	344.569	5) Goa	-4.874	-71.022
2) WPCL	8.889	115.309	6) TAPS 1&2 Injection	3.662	35.415
3) ADANI	10.330	115.310	7) RGPPL Injection	5.721	90.877
4) Other CPP / IPP	10.380	128.631	8) Pench (Excess)	-0.206	-2.970
5) Wind Generation	2.176	39.488	# Total Cent. Sector	101.847	1271.034
6) PENCH (MS)	0.206	2.970	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.418	-105.881
1) TPCL Thermal	18.490	259.543	G) Bilateral Power *		
2) TPCL Hydro	1.333	58.502	1) MSEDCL Bilateral	41.742	500.541
TOTAL TPCL	19.823	318.045	Include PX	0.000	-1.428
3) REL Thermal	12.094	157.867	2) MUMBAI Bilateral	8.162	112.311
D) STATE			Include PX	-3.174	-35.846
1) Thermal (A1+C1+C3)	144.501	1972.278	3) MUMBAI Schedule	8.162	112.311
2) Hydro (A2+B5+C2)	11.313	183.418	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.761	139.459	1) MSEDCL	288.434	3727.703
4) Wind (B4)	2.176	39.488	2) TPCL	25.972	388.243
5) CPP (B1+B2+B3)	56.171	598.839	3) REL	13.362	193.709
TOTAL STATE	225.922	2933.482	TOTAL STATE	327.768	4309.655

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	4861	4689	4723
MSGENCO Hydro	1419	433	137
MSGENCO Gas	490	475	512
MSGENCO Total Generation	6770	5597	5372
Central Sector Receipt	5039	4657	3597
WIND	68	44	109
CPP / IPP	2484	2346	2081
Exchange with Mumbai	-265	-236	-269
MSEDCL DEMAND MET	14136	12408	10890
Load Shedding	573	545	50
MSEDCL DEMAND	14709	12953	10940
TPCL GENERATION	1040	894	623
R-INFRA GENERATION	528	528	389
TPCL+R-INFRA DEMAND	1833	1658	1281
STATE DEMAND MET	15969	14066	12171
STATE DEMAND	16542	14611	12221
Frequency (Hz)	49.95	50.00	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.59 Hz at 17:03 Hrs	49.69 Hz at 08:50 Hrs	50.04	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 13/Jan/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	2.69	25.65	123	90	120
Unit 7	3.24	38.06	163	105	130
Total	5.93	63.71			250
Bhusawal					
Unit 2	3.70	24.72	165	130	160
Unit 3	3.67	50.80	190	120	160
Unit 4	0.00	92.55	0	0	0
Unit 5	3.25	7.00	210	0	0
Total	10.62	175.06			320
Parli					
Unit 3	3.77	36.28	169	146	133
Unit 4	0.00	0.00	0	0	0
Unit 5	3.92	51.30	175	137	152
Unit 6	5.38	73.32	256	193	230
Unit 7	0.00	0.00	0	0	0
Total	13.07	160.90			515
Chandrapur					
Unit 1	3.64	47.99	156	145	160
Unit 2	0.00	30.63	0	0	0
Unit 3	4.66	60.53	208	172	200
Unit 4	4.62	60.76	203	156	200
Unit 5	9.88	127.42	430	385	425
Unit 6	0.00	113.98	0	0	0
Unit 7	10.30	106.45	465	355	450
Total	33.10	547.77			1435
Paras					
Unit 3	5.76	59.78	255	221	250
Unit 4	5.68	70.04	264	219	230
Total	11.44	129.82			480
Khaparkheda					
Unit 1	3.75	53.24	180	130	185
Unit 2	3.98	52.86	190	140	185
Unit 3	4.40	49.44	203	171	185
Unit 4	4.74	55.49	212	173	185
Unit 5	10.27	110.25	503	365	450
Total	27.14	321.27			1190
Nasik					
Unit 3	4.28	57.22	190	170	190
Unit 4	4.15	54.46	183	165	190
Unit 5	4.19	44.66	193	133	190
Total	12.62	156.34			570
Uran					
All Units	11.76	139.46	518	442	480
Total	11.76	139.46			480
PENCH (MS)					
Pench (MS)	0.21	2.97	40	0	0
Total	0.21	2.97			0
Koyna					
Stage 1-2	2.75	36.60	400	40	530
Stage 4	1.50	25.48	459	0	250
Stage 3	0.71	13.32	158	0	240
Kovna 12&4 Total	4.25	62.08			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.96	75.40			1020
Hydro					
KDPH	0.46	4.24	20	19	36
VTRNA	0.21	0.98	61	0	0
TILLARI	0.00	1.80	0	0	0
BHTGR/VEER	0.06	1.04	3	2	4
BHIRA T.R.	0.30	3.81	80	0	80
RNGR+BHTSA	0.37	4.71	16	15	13
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	1.19	11.64	56	47	10
GHATGHAR	2.23	18.26	250	0	0
Total	4.81	46.54			143
Wind					
MalharPeth	0.18	2.77			
Vankuswadi	0.31	3.46			
ATIT	0.03	0.70			
Kale	0.13	1.22			
Satara	0.70	5.22			
Shirala	0.11	1.45			
K Mahankal	0.02	1.68			
Supa	0.01	0.70			
Vita	0.38	4.48			
Dondaicha	0.16	11.27			
Sakri	0.02	1.46			
Nandurbar	0.01	0.99			
Khandke	0.03	2.14			
Khaparale	0.08	1.96			
Total	2.18	39.49			
CPP					
JSW JAIGAD	26.57	344.57	1212	942	1097
WARDHA	8.89	115.31	373	366	370
Adani	10.33	115.31	480	370	
Other CPPs	10.38	128.63			
Total	56.17	703.82			1467
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.18	131.72	501	283	500
Trombay 6	3.77	68.88	159	156	500
Trombay 7A	2.91	37.88	131	115	120
Trombay 7B	1.63	21.07	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.33	58.50	197	0	447
Total	19.82	318.04			1627
REL					
1&2	12.09	157.87	530	388	500
Total	12.09	157.87			500
Cent Sect					
Share					4147
Total					4147

MS PG CL	Thermal	113.92	1554.87			4760
	Thml+Gas	125.68	1694.33			5240
	Hydro	9.77	121.95			1163
	Total	135.45	1816.27			6403
State Total		225.92	2933.48			14144

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Jan/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	4798	142	512	5452	107	2210	3946	3693	-312	-367	11095	13	11108	1505	12613	50.08
2	4754	137	514	5405	122	2111	3652	3669	-246	-360	10947	40	10987	1386	12373	50.21
3	4696	137	512	5345	114	2093	3607	3645	-207	-313	10884	47	10931	1325	12256	50.22
4	4723	137	512	5372	109	2081	3621	3597	-222	-269	10890	50	10940	1281	12221	50.07
5	4717	132	516	5365	105	2105	3628	3871	-230	-267	11179	54	11233	1279	12512	49.95
6	4882	147	516	5545	102	2191	3838	3897	-204	-184	11551	240	11791	1350	13141	50.00
7	4954	131	518	5603	120	2293	4272	4218	-346	-101	12133	552	12685	1412	14097	50.01
8	4922	348	516	5786	122	2427	4329	4487	-287	-119	12703	745	13448	1498	14946	49.92
9	4999	562	510	6071	99	2494	4380	4568	-345	-182	13050	904	13954	1574	15528	49.85
10	4942	1104	503	6549	77	2488	4476	4431	-374	-229	13336	672	14008	1715	15723	50.00
11	4861	1419	490	6770	68	2484	4586	5039	-414	-265	14136	573	14709	1833	16542	49.95
12	4783	1392	484	6659	84	2494	4678	4512	-440	-280	13502	754	14256	1856	16112	49.97
13	4788	844	465	6097	74	2480	4696	4645	-432	-310	12986	934	13920	1853	15773	49.97
14	4827	357	460	5644	68	2507	4696	4606	-409	-288	12537	881	13418	1780	15198	50.00
15	4807	352	469	5628	63	2495	4582	4763	-362	-238	12711	782	13493	1708	15201	50.02
16	4762	558	470	5790	61	2488	4418	4761	-333	-205	12895	678	13573	1663	15236	50.03
17	4689	433	475	5597	44	2346	4385	4657	-317	-236	12408	545	12953	1658	14611	50.00
18	4662	357	478	5497	41	2392	3818	3873	-265	-277	11526	494	12020	1703	13723	50.18
19	4616	176	482	5274	68	2488	4168	4356	-352	-350	11856	222	12078	1840	13918	50.07
20	4548	235	491	5274	85	2369	4198	4317	-394	-473	11612	325	11937	1886	13823	50.05
21	4551	217	494	5262	86	2364	4149	4083	-384	-506	11329	318	11647	1886	13533	50.07
22	4555	201	468	5224	122	2244	4266	4072	-471	-541	11134	300	11434	1867	13301	50.08
23	4510	123	464	5097	128	2257	4159	4103	-445	-548	11037	85	11122	1782	12904	50.05
24	4571	133	442	5146	107	2270	3969	3984	-370	-510	10997	70	11067	1695	12762	50.22
MUs	113.92	9.77	11.76	135.45	2.18	56.17	100.52	101.85	-8.16	-7.42	288.43	10.28	298.71	39.34	338.05	50.04

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 13/Jan/2013

Position as on 6.30 Hrs of 14/Jan/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.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Tata Trombay 8	250	21/12/2012	00.10		Continued.	Boiler recertification.	15/01/2013
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	15/02/2013
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Parli Unit 7	250	22/12/2012	20.46		Continued.	Steam leakage.	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Koyna ST-IV 2	250	08/01/2013	02.25	13/01/2013	20.33	Governer Major Fault	
Chandrapur Unit 2	210	09/01/2013	05.51		Continued.	Reheater T/L.	
Uran Unit 8	108	09/01/2013	12.48		Continued.	Gas Shortage.	
Koyna Unit 1	75	10/01/2013	15.50		Continued.	Cooler Leakage.	14/01/2013
Koyna Unit 2	75	11/01/2013	00.40		Continued.	Governer problem.	
CPP WPCL U-4	135	11/01/2013	13.42		Continued.	Bottom ash problem.	
Bhusawal Unit 4	500	11/01/2013	19.11		Continued.	Boiler tube leakage.	14/01/2013
Chandrapur Unit 6	500	11/01/2013	20.13		Continued.	Boiler tube leakage.	15/01/2013
Cent_Sect NTPC(V-7)	500	12/01/2013	13.32	13/01/2013	10.45	Boiler tube leakage.	
Bhusawal Unit 5	500	13/01/2013	17.22	13/01/2013	23.05	Bus bar protection operated of bus-I at 400KV Deepnagar S/s.	
Khaparkheda Unit 5	500	14/01/2013	00.42		Continued.	Preheater protection operated.	
Bhusawal Unit 5	500	14/01/2013	00.46		Continued.	Drum level very high.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jan/2013

Position as on 6.30 Hrs of 14/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	13/01/2013	08.19		Continued.	Crossing of 765 Tiroda-Koradi-I from 765 KV Switch yard of Adani,Ready for charging at.19.44 Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule-Sar'Sarovar - II	10/01/2013	13.01		Continued.	Earth Wire Work.(ready for charging 22.30Hrs dt.10.01.2013)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	26/12/2012	18.21		Continued.	Over Voltage.
Chandrapur - Bhadravati - IV	29/12/2012	21.17		Continued.	Over Voltage.
Warora - Deoli - II	08/01/2013	13.07		Continued.	Hand Tripped
Kolhapur - Mapusa - II	10/01/2013	16.11		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	12/01/2013	20.49	13/01/2013	08.30	Over Voltage.
Akola - Wardha - II	12/01/2013	21.03	13/01/2013	07.08	Over Voltage.
Seoni-Wardha-II 765KV.	13/01/2013	17.34		Continued.	Over Voltage.
Akola - Wardha - I	13/01/2013	21.51	14/01/2013	05.31	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Boiser - Tarapur	13/01/2013	11.38	13/01/2013	13.00	H/T for back charging of Zone3.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	11/01/2013	08.19		Continued.	Repl.of 29C isolator at Kalwa under JICA-II.up to 14.01.2013.
Bableshtar-Aurangabad	12/01/2013	12.32	13/01/2013	07.12	PID Testing at BBLSR end.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kharghar - Kalwa	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 31/1/2013)
220/100KV 100 MVA ICT-I @ Taloja	21/12/2012	15.20	13/01/2013	17:40	Replacement by 200 MVA ICT.
220/132KV 100 MVA ICT-I @ Kanhan	26/12/2012	08.56		Continued.	Replacement of 100 MVA ICT by 200 MVA ICT.
Trombay-Kharghar	06/01/2013	08.53		Continued.	Remover of jumper.
Kolhapur - Peth	09/01/2013	11.02		Continued.	Breaker Replacement Upto 16/01/2013.
Kalwa - Salshet - IV	11/01/2013	11.20		Continued.	Breaker overhauling work.Repl B isolator on TBC up to 14.01.2013.
Jejuri - Parvati	12/01/2013	06.45		Continued.	LILO arrangement work for Kondwa S/s.
Babaleshtar - Alephata	13/01/2013	09.52		Continued.	Replacement of faulty insulator.Line on TBC at BBLSR end.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jan/2013

Position as on 6.30 Hrs of 14/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 100 MVA ICT - I at Balapur	13/01/2013	14.20		Continued.	Buchholz alarm received.
220/132 KV 100 MVA ICT - II at Balapur	13/01/2013	15.18		Continued.	Buchholz alarm received.
220/100 KV,200MVA T/F (Aditya make) at Taloja.	13/01/2013	17.40	13/01/2013	17.47	First time charged from HV side.Kept on Humming.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Chandrapur - Parli - III	13/01/2013	16.50		Continued.	H/T to attend R ph.pole of breakeer's oil leakage at Parli end.Ready for charging at 19.44 Hrs.
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
80MVAR Bus reactor breaker-I at BBLSR	08/01/2013	05.35		Continued.	Air leakage in B phase of CB.
Deepnagar-Aurangabad-I	12/01/2013	13.36		Continued.	Over Voltage.
Karad - Kolhapur - I	12/01/2013	16.17	13/01/2013	08.24	Over Voltage.
Karad - Kolhapur - II	12/01/2013	17.10	13/01/2013	09.19	Over Voltage.
Bhusawal- Aurangabad	12/01/2013	17.18		Continued.	Over Voltage.
Chandrapur - Parli - III	12/01/2013	18.52	13/01/2013	10.03	Over Voltage.
Lonikand- Koyna Stage IV	12/01/2013	23.15	13/01/2013	07.19	Over Voltage.
Padgha - Nagothane- II	13/01/2013	01.28	13/01/2013	07.45	Over Voltage.
Karad - Kolhapur - I	13/01/2013	16.12		Continued.	Over Voltage.
Karad - Kolhapur - II	13/01/2013	18.06		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	13/01/2013	21.33		Continued.	Over Voltage.
Padgha - Nagothane- II	14/01/2013	00.30		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
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.
Bhusawal - Deepnagar - I	06/01/2013	21.22		Continued.	Due to B ph.CT burst.
Main Bus-I at Deepnagar	13/01/2013	17.22	13/01/2013	18.14	LBB protection initiated at PCR end.Interruption Nil.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	130
	620	290
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	360
Parli		
Unit 3	210	150
Unit 4	210	0
Unit 5	210	135
Unit 6	250	245
Unit 7	250	0
	1130	530
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	425
Unit 6	500	0
Unit 7	500	450
	2340	1425
Paras		
Unit 3	250	220
Unit 4	250	230
	500	450
Khaparkheda		
Unit 1	210	185
Unit 2	210	185
Unit 3	210	185
Unit 4	210	185
Unit 5	500	350
	1340	1090
Nasik		
Unit 3	210	172
Unit 4	210	172
Unit 5	210	172
	630	516
Uran		
All Units	852	480
	852	480
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	142
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	600	1100
WARDHA	405	370
Adani	660	
Other CPPs	0	
	1665	1470
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	4402
	3455	4402