



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jan/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.931	2406.606	1) Gujrat	7.082	176.766
2) Hydro	8.616	183.646	2) Madhya Pradesh	16.124	289.794
3) Gas	11.932	218.366	3) Chattisgarh	8.860	187.170
Total MSGENCO	139.479	2808.618	4) Maharashtra	61.556	1246.410
B) 1) JSW JAIGAD	24.921	523.513	5) Goa	-4.706	-108.484
2) WPCL	8.019	176.309	6) TAPS 1&2 Injection	3.786	62.066
3) ADANI	9.800	176.450	7) RGPPL Injection	5.821	131.401
4) Other CPP / IPP	9.535	193.925	8) Pench (Excess)	-0.030	-4.092
5) Wind Generation	3.435	68.808	# Total Cent. Sector	98.493	1981.031
6) PENCH (MS)	0.030	4.092	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-5.917	-158.497
1) TPCL Thermal	19.158	413.893	G) Bilateral Power *		
2) TPCL Hydro	0.260	87.648	1) MSEDCL Bilateral	40.577	773.078
TOTAL TPCL	19.418	501.541	Include PX	0.000	-1.428
3) REL Thermal	11.832	241.367	2) MUMBAI Bilateral	7.483	177.597
D) STATE			Include PX	-3.183	-48.796
1) Thermal (A1+C1+C3)	149.921	3061.866	3) MUMBAI Schedule	7.483	177.597
2) Hydro (A2+B5+C2)	8.906	275.386	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.932	218.366	1) MSEDCL	287.795	5774.249
4) Wind (B4)	3.435	68.808	2) TPCL	24.579	601.334
5) CPP (B1+B2+B3)	52.275	903.547	3) REL	12.586	300.211
TOTAL STATE	226.469	4527.973	TOTAL STATE	324.960	6675.794

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	4961	5080	4817
MSGENCO Hydro	1035	289	126
MSGENCO Gas	493	482	504
MSGENCO Total Generation	6489	5851	5447
Central Sector Receipt	4850	4223	3210
WIND	95	46	254
CPP / IPP	2452	2256	2034
Exchange with Mumbai	-275	-172	-80
MSEDCL DEMAND MET	13611	12204	10865
Load Shedding	582	550	101
MSEDCL DEMAND	14193	12754	10966
TPCL GENERATION	968	876	664
R-INFRA GENERATION	530	528	392
TPCL+R-INFRA DEMAND	1773	1576	1136
STATE DEMAND MET	15384	13780	12001
STATE DEMAND	15966	14330	12102
Frequency (Hz)	49.94	50.04	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 02:17 Hrs	49.56 Hz at 08:41 Hrs	50.06	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 20/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	3.89	49.13	169	150	160
Unit 7	3.96	53.51	180	150	160
Total	7.85	102.64			320
Bhusawal					
Unit 2	0.27	44.75	125	0	0
Unit 3	3.58	77.84	160	140	160
Unit 4	0.00	108.30	0	0	0
Unit 5	2.57	27.55	245	0	0
Total	6.43	258.45			160
Parli					
Unit 3	3.28	60.09	146	125	140
Unit 4	0.00	0.00	0	0	0
Unit 5	3.40	76.62	155	123	130
Unit 6	5.14	111.26	248	142	190
Unit 7	0.00	0.00	0	0	0
Total	11.82	247.97			460
Chandrapur					
Unit 1	3.56	73.22	154	143	160
Unit 2	3.39	50.93	153	120	140
Unit 3	4.63	93.09	200	180	200
Unit 4	1.80	90.64	198	0	200
Unit 5	10.01	195.64	430	405	445
Unit 6	10.86	160.67	466	435	390
Unit 7	8.86	175.57	385	347	440
Total	43.12	839.76			1975
Paras					
Unit 3	5.26	97.84	230	207	230
Unit 4	5.30	109.05	236	168	230
Total	10.55	206.89			460
Khaparkheda					
Unit 1	4.26	82.12	200	160	185
Unit 2	4.00	80.86	190	145	185
Unit 3	4.05	78.75	187	160	185
Unit 4	4.14	86.20	189	163	185
Unit 5	9.89	178.14	479	341	450
Total	26.35	506.08			1190
Nasik					
Unit 3	4.36	87.04	195	170	190
Unit 4	4.14	83.03	180	167	195
Unit 5	4.30	74.76	192	165	191
Total	12.80	244.82			576
Uran					
All Units	11.93	218.37	516	477	520
Total	11.93	218.37			520
PENCH (MS)					
Pench (MS)	0.03	4.09	17	0	0
Total	0.03	4.09			0
Koyna					
Stage 1-2	2.18	52.68	320	30	450
Stage 4	0.88	34.53	273	0	250
Stage 3	0.74	18.77	160	0	240
Kovna 12&4 Total	3.06	87.21			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.80	105.98			940
Hydro					
KDPH	0.46	8.80	20	19	36
VTRNA	0.15	1.46	61	0	61
TILLARI	0.24	2.04	60	0	0
BHTGR/VEER	0.05	1.50	3	2	3
BHIRA T.R.	0.24	5.79	80	0	80
RNGR+BHTSA	0.37	7.32	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	1.09	19.03	52	42	9
GHATGHAR	2.22	31.68	250	0	0
Total	4.82	77.66			204
Wind					
MalharPeth	0.12	3.73			
Vankuswadi	0.20	5.02			
ATIT	0.02	2.33			
Kale	0.06	1.68			
Satara	0.48	7.42			
Shirala	0.05	2.43			
K Mahankal	0.01	2.20			
Supa	0.04	1.29			
Vita	0.39	8.40			
Dondaicha	1.52	22.52			
Sakri	0.15	2.90			
Nandurbar	0.12	2.04			
Khandke	0.17	3.86			
Khaparale	0.10	2.99			
Total	3.44	68.81			
CPP					
JSW JAIGAD	24.92	523.51	1204	916	1095
WARDHA	8.02	176.31	372	240	390
Adani	9.80	176.45	470	370	
Other CPPs	9.54	193.92			
Total	52.28	1070.20			1485
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.10	196.54	502	288	500
Trombay 6	0.00	96.65	0	0	0
Trombay 7A	2.93	58.07	133	115	120
Trombay 7B	1.62	32.33	71	64	60
Trombay 8	5.51	30.31	252	194	250
TATA Hydro	0.26	87.65	49	0	447
Total	19.42	501.54			1377
REL					
1&2	11.83	241.37	530	390	500
Total	11.83	241.37			500
Cent Sect					
Share					4388
Total					4388

MS PG CL	Thermal	118.93	2406.61			5141
	Thml+Gas	130.86	2624.97			5661
	Hydro	8.62	183.65			1144
	Total	139.48	2808.62			6805
State Total		226.47	4527.97			14555

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4923	122	511	5556	265	2061	3700	3728	-216	-314	11296	97	11393	1368	12761	50.12
2	4902	122	511	5535	175	2032	3659	3534	-143	-188	11088	83	11171	1241	12412	50.13
3	4868	122	511	5501	213	2034	3653	3485	-138	-120	11113	98	11211	1173	12384	50.25
4	4817	126	504	5447	254	2034	3641	3210	-124	-80	10865	101	10966	1136	12102	50.13
5	4818	121	512	5451	254	2032	3644	3490	-130	-92	11135	107	11242	1147	12389	50.08
6	4875	121	510	5506	271	2113	3660	3551	-108	-118	11323	234	11557	1238	12795	50.04
7	4994	130	512	5636	262	2214	4180	3446	-270	-23	11535	499	12034	1313	13347	49.99
8	5037	300	516	5853	298	2219	4353	4612	-305	-50	12932	601	13533	1369	14902	49.92
9	4969	354	508	5831	214	2267	4446	4444	-378	-63	12693	790	13483	1513	14996	49.78
10	4977	1124	499	6600	172	2414	4613	4510	-450	-156	13540	605	14145	1659	15804	49.94
11	4961	1035	493	6489	95	2452	4697	4850	-463	-275	13611	582	14193	1773	15966	49.94
12	4769	1103	485	6357	63	2398	4694	4875	-463	-299	13394	681	14075	1791	15866	49.97
13	4698	899	482	6079	71	2383	4697	4754	-463	-294	12993	801	13794	1788	15582	50.03
14	4770	485	477	5732	32	2263	4685	4801	-379	-249	12579	719	13298	1704	15002	50.17
15	4851	373	478	5702	23	2266	4514	4762	-299	-174	12579	630	13209	1630	14839	50.10
16	4904	459	479	5842	39	2264	4355	4647	-263	-123	12669	590	13259	1581	14840	50.09
17	5080	289	482	5851	46	2256	4371	4223	-257	-172	12204	550	12754	1576	14330	50.04
18	5104	144	490	5738	53	2055	3809	3650	-207	-349	11147	442	11589	1611	13200	50.08
19	5123	295	486	5904	82	2020	4334	4217	-377	-403	11820	212	12032	1778	13810	50.01
20	5091	288	488	5867	110	2067	4405	4304	-464	-407	11954	199	12153	1895	14048	49.95
21	5029	233	497	5759	87	2094	4243	4267	-465	-540	11684	167	11851	1854	13705	50.01
22	5112	135	502	5749	126	2109	4211	3965	-449	-604	11345	166	11511	1794	13305	50.11
23	5118	118	506	5742	95	2106	3960	3648	-387	-478	11113	95	11208	1697	12905	50.21
24	5141	118	493	5752	135	2122	3702	3520	-286	-346	11183	85	11268	1538	12806	50.30
MUs	118.93	8.62	11.93	139.48	3.44	52.28	100.23	98.49	-7.48	-5.92	287.80	9.13	296.93	37.17	334.10	50.06

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 20/Jan/2013

Position as on 6.30 Hrs of 21/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.	
Parli Unit 7	250	22/12/2012	20.46		Continued.	w/dn for water shortage	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	15/02/2013
Koyna Unit 4	75	17/01/2013	07.25		Continued.	Injector metal filling.	02/02/2013
Koyna Unit 3	75	17/01/2013	08.15		Continued.	Water Leakage.	02/02/2013
Tata Trombay 6	500	19/01/2013	23.27		Continued.	Economy Shutdown.	31/01/2013
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	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Uran Unit 8	108	09/01/2013	12.48		Continued.	Gas Shortage.	
CPP WPCL U-4	135	11/01/2013	13.42		Continued.	Bottom ash problem.	
Bhusawal Unit 5	500	17/01/2013	18.16	20/01/2013	05.27	Steam Temp Low.	
Bhusawal Unit 4	500	18/01/2013	10.29	21/01/2013	05.40	Boiler tube leakage.	
Bhusawal Unit 2	210	19/01/2013	02.42	20/01/2013	20.43	Boiler tube leakage.	
Chandrapur Unit 4	210	20/01/2013	09.24		Continued.	Boiler tube leakage.	
Bhusawal Unit 5	500	20/01/2013	11.06	20/01/2013	15.07	Class A protection operated.	
CPP WPCL U-2	135	20/01/2013	12.56	20/01/2013	19.04	Steam drain line problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2013

Position as on 6.30 Hrs of 21/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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
Solapur(PG)--South Solapur-I	20/01/2013	10.15	20/01/2013	17.13	Rectification work of isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Chandrapur - Bhadravati - IV	29/12/2012	21.17	20/01/2013	13.07	Over Voltage.
Seoni-Wardha-II 765KV.	13/01/2013	17.34		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	16/01/2013	22.18		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	17/01/2013	13.49		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/01/2013	17.39		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	20/01/2013	17.07		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	15/01/2013	09.51		Continued.	Replacement of Old Not working CT
Kalwa - Padgha - II	17/01/2013	08.40	20/01/2013	18.04	Repl.of 29C Isolator,Under JICA-II.
400/220 KV 600 MVA ICT-II @ Kalwa	18/01/2013	08.29		Continued.	Replacement of R ph.T/F.(Outage upto 03.02.2013)
400/220KV 315 MVA ICT III at Bhusawal	19/01/2013	09.37	20/01/2013	00.13	SFRA monitoring and taking CTR make fire Prevention Sys.in service.
Nagothane-Dabhol-I	19/01/2013	12.18	20/01/2013	08.45	CVT testing work.Ready for charging at 17.50 hrs.
400/220/33KV,500 MVA ICT-I At Kalwa	20/01/2013	12.44	20/01/2013	13.02	Transformer passing work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132KV 100 MVA ICT-I @ Kanhan	26/12/2012	08.56		Continued.	Replacement of 100 MVA ICT by 200 MVA ICT.
Babaleshwar - Alephata	13/01/2013	09.52		Continued.	Replacement of faulty insulator.Line on TBC at BBLSR end.
220/100KV 200MVA ICT-I at Mudshingi	16/01/2013	11.45		Continued.	Oil Leakage & Maint.Work.
Nigade - Peth	17/01/2013	09.12		Continued.	Repl.of Bkr under JICA Ph-II.
220/132 KV 100 MVA ICT - I at Balapur	18/01/2013	14.44		Continued.	Work buchholz relay.
Lonand - Bothe (Surwadi)	19/01/2013	11.35	20/01/2013	19.08	WT,CC Jump Connection.
Kalwa - Borivali	20/01/2013	07.46	20/01/2013	13.14	Hot spot attending work.
Chakan-Volkaswagon	20/01/2013	08.26	20/01/2013	18.08	Line construction work.
Dahanu-Ghodbandar-II	20/01/2013	09.46	20/01/2013	15.28	Replacement of procilien insulator.
Borivali-Tata Borivali 4	20/01/2013	13.20	20/01/2013	17.24	GIS roof work in vicinity of line at Tata-Borivali end.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2013

Position as on 6.30 Hrs of 21/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonand - Baramati	20/01/2013	17.16	20/01/2013	18.06	To check distance relay.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	20/03/2012	11.50		Continued.	High tan delta of bushing.
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(Taken on TBC at 17.43Hrs/15-1-2013)
Deepnagar-Aurangabad-I	12/01/2013	13.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/01/2013	16.10		Continued.	Over Voltage.
Karad - Kolhapur - II	18/01/2013	16.36		Continued.	Over Voltage.
Padgha - Nagothane- II	18/01/2013	21.18	20/01/2013	08.41	Over Voltage.
Lonikand- Koyna Stage IV	18/01/2013	23.03	20/01/2013	08.41	Over Voltage.Outage (RFC 18.22Hrs)
Karad - Kolhapur - II	19/01/2013	16.23		Continued.	Over Voltage.
Karad - Kolhapur - I	19/01/2013	21.41	20/01/2013	07.48	Over Voltage.
Karad - Kolhapur - I	20/01/2013	16.38		Continued.	Over Voltage.
Dhule - Babhaleshwar - I	20/01/2013	22.20		Continued.	Over Voltage.
Padgha - Nagothane- II	21/01/2013	00.23		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.
Padgha - Nagothane - I	20/01/2013	02.27	20/01/2013	08.41	Over Voltage.
Dabhol - Nagothane - I	21/01/2013	02.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda-Kawlewada-I	18/01/2013	22.47	20/01/2013	17.14	Distance protection-Z1.
Kandalgaon - Dasturi	19/01/2013	12.30	20/01/2013	01.42	Distance Protection.
Lonand - Jejuri	20/01/2013	14.46	20/01/2013	14.52	Bus bar protection operated.
Lonand - SonaAlloys	20/01/2013	14.46	20/01/2013	15.01	Bus bar protection operated.
Lonand - Baramati	20/01/2013	14.46	20/01/2013	15.05	Bus bar protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	170
	620	320
Bhusawal		
Unit 2	210	180
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	350
Parli		
Unit 3	210	130
Unit 4	210	0
Unit 5	210	140
Unit 6	250	215
Unit 7	250	0
	1130	485
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	205
Unit 4	210	0
Unit 5	500	425
Unit 6	500	450
Unit 7	500	370
	2340	1750
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	185
Unit 2	210	185
Unit 3	210	185
Unit 4	210	185
Unit 5	500	500
	1340	1240
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	480
	852	480
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	240
	1920	940
Hydro		
KDPH	40	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	215
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	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4371
	3455	4371