



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jan/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.787	2660.009	1) Gujrat	10.552	192.822
2) Hydro	6.111	197.366	2) Madhya Pradesh	14.947	319.730
3) Gas	11.585	241.627	3) Chattisgarh	9.290	205.280
Total MSGENCO	144.483	3099.002	4) Maharashtra	67.227	1376.439
B) 1) JSW JAIGAD	24.735	573.880	5) Goa	-5.273	-118.808
2) WPCL	8.726	193.923	6) TAPS 1&2 Injection	3.882	69.707
3) ADANI	9.250	195.540	7) RGPPL Injection	4.565	141.557
4) Other CPP / IPP	9.444	214.138	8) Pench (Excess)	-0.061	-4.341
5) Wind Generation	4.257	75.567	# Total Cent. Sector	105.129	2182.386
6) PENCH (MS)	0.061	4.341	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.143	-177.547
1) TPCL Thermal	19.065	453.209	G) Bilateral Power *		
2) TPCL Hydro	4.546	96.685	1) MSEDCL Bilateral	39.436	853.656
TOTAL TPCL	23.611	549.894	Include PX	0.000	-1.428
3) REL Thermal	11.694	265.163	2) MUMBAI Bilateral	11.379	198.661
D) STATE			Include PX	-0.465	-51.272
1) Thermal (A1+C1+C3)	157.546	3378.381	3) MUMBAI Schedule	11.379	198.661
2) Hydro (A2+B5+C2)	10.718	298.392	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.585	241.627	1) MSEDCL	294.942	6361.230
4) Wind (B4)	4.257	75.567	2) TPCL	30.903	662.072
5) CPP (B1+B2+B3)	52.155	991.191	3) REL	15.484	330.608
TOTAL STATE	236.261	4985.158	TOTAL STATE	341.329	7353.910

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5449	5399	4971
MSGENCO Hydro	509	265	118
MSGENCO Gas	486	466	486
MSGENCO Total Generation	6444	6130	5575
Central Sector Receipt	4898	4934	3566
WIND	365	78	221
CPP / IPP	2457	2225	1938
Exchange with Mumbai	-512	-659	-183
MSEDCL DEMAND MET	13659	12708	11117
Load Shedding	553	374	22
MSEDCL DEMAND	14212	13082	11139
TPCL GENERATION	1349	1141	639
R-INFRA GENERATION	529	528	391
TPCL+R-INFRA DEMAND	2390	2328	1213
STATE DEMAND MET	16049	15036	12330
STATE DEMAND	16602	15410	12352
Frequency (Hz)	50.07	50.07	50.22

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 04.03 Hrs	49.59 Hz at 07.34 Hrs	50.07	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 22/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	3.88	56.79	170	148	170
Unit 7	3.82	61.00	185	135	155
Total	7.71	117.79			325
Bhusawal					
Unit 2	4.06	52.58	175	160	180
Unit 3	4.04	85.90	180	150	180
Unit 4	8.72	121.98	465	255	450
Unit 5	1.34	33.10	160	0	0
Total	18.16	293.56			810
Parli					
Unit 3	3.48	66.68	163	120	124
Unit 4	0.00	0.00	0	0	0
Unit 5	3.12	82.80	143	115	130
Unit 6	5.50	122.16	254	161	182
Unit 7	0.00	0.00	0	0	0
Total	12.10	271.65			436
Chandrapur					
Unit 1	3.50	80.38	150	134	160
Unit 2	3.50	57.94	161	128	150
Unit 3	4.74	102.65	204	190	200
Unit 4	0.00	90.64	0	0	0
Unit 5	9.84	215.35	435	350	425
Unit 6	10.40	181.67	465	355	450
Unit 7	9.01	193.46	447	307	400
Total	40.99	922.09			1785
Paras					
Unit 3	5.25	108.05	237	189	225
Unit 4	5.06	119.13	220	180	225
Total	10.31	227.17			450
Khaparkheda					
Unit 1	4.08	90.26	200	140	185
Unit 2	3.53	88.31	173	95	185
Unit 3	4.00	87.13	185	151	185
Unit 4	4.42	95.01	203	166	185
Unit 5	8.91	197.24	491	249	500
Total	24.94	557.95			1240
Nasik					
Unit 3	4.22	95.27	190	150	195
Unit 4	4.07	91.17	178	162	190
Unit 5	4.29	83.36	192	150	195
Total	12.58	269.80			580
Uran					
All Units	11.58	241.63	492	466	480
Total	11.58	241.63			480
PENCH (MS)					
Pench (MS)	0.06	4.34	33	0	
Total	0.06	4.34			
Koyna					
Stage 1-2	1.90	56.37	245	35	450
Stage 4	0.36	35.56	220	0	250
Stage 3	0.48	19.80	80	0	240
Kovna 12&4 Total	2.27	91.93			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.75	111.73			940
Hydro					
KDPH	0.46	9.72	20	19	36
VTRNA	0.00	1.46	0	0	0
TILLARI	0.28	2.56	58	0	0
BHTGR/VEER	0.05	1.60	2	2	2
BHIRA T.R.	0.23	6.20	76	0	80
RNGR+BHTSA	0.36	8.05	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	1.04	21.16	51	41	9
GHATGHAR	0.93	34.84	125	0	0
Total	3.36	85.63			142
Wind					
MalharPeth	0.19	4.01			
Vankuswadi	0.51	5.70			
ATIT	0.05	2.39			
Kale	0.09	1.82			
Satara	0.13	7.76			
Shirala	0.08	2.54			
K Mahankal	0.20	2.40			
Supa	0.04	1.40			
Vita	0.55	9.12			
Dondaicha	1.47	25.11			
Sakri	0.21	3.24			
Nandurbar	0.10	2.23			
Khandke	0.39	4.44			
Khaparale	0.25	3.41			
Total	4.26	75.57			
CPP					
JSW JAIGAD	24.74	573.88	1202	879	1047
WARDHA	8.73	193.92	373	295	370
Adani	9.25	195.54	470	370	
Other CPPs	9.44	214.14			
Total	52.16	1177.48			1417
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	5.76	212.23	247	232	500
Trombay 6	3.02	99.66	238	0	250
Trombay 7A	3.05	64.12	135	114	120
Trombay 7B	1.66	35.63	71	65	60
Trombay 8	5.57	41.56	250	190	250
TATA Hydro	4.55	96.68	459	0	447
Total	23.61	549.89			1627
REL					
1&2	11.69	265.16	530	391	500
Total	11.69	265.16			500
Cent Sect					
Share					4570
Total					4570

MS PG CL	Thermal	126.79	2660.01			5626
	Thml+Gas	138.37	2901.64			6106
	Hydro	6.11	197.37			1082
	Total	144.48	3099.00			7188
State Total		236.26	4985.16			15302

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	5260	118	488	5866	217	2069	3771	3456	-264	-336	11272	9	11281	1406	12687	50.08
2	5109	118	488	5715	261	2022	3738	3387	-179	-257	11128	22	11150	1287	12437	50.19
3	4971	118	486	5575	221	1938	4039	3566	-387	-183	11117	22	11139	1213	12352	50.22
4	4965	118	487	5570	191	1913	4074	3734	-361	-155	11253	23	11276	1186	12462	50.26
5	4954	123	488	5565	150	1977	4033	4004	-330	-190	11506	23	11529	1213	12742	50.13
6	5182	178	489	5849	143	2114	3941	3733	-129	-206	11633	123	11756	1339	13095	50.04
7	5168	133	490	5791	189	2213	4440	4352	-331	-299	12246	417	12663	1557	14220	49.90
8	5266	273	490	6029	293	2199	4605	4689	-418	-359	12851	720	13571	1737	15308	49.88
9	5321	431	492	6244	296	2443	4632	4735	-467	-299	13419	768	14187	1974	16161	49.90
10	5389	704	492	6585	352	2453	4843	4671	-511	-378	13683	584	14267	2238	16505	49.97
11	5449	509	486	6444	365	2457	5096	4898	-667	-512	13659	553	14212	2390	16602	50.07
12	5387	363	478	6228	240	2354	5135	5065	-713	-522	13378	617	13995	2431	16426	50.01
13	5364	292	473	6129	119	2217	5117	5053	-695	-608	12910	753	13663	2404	16067	50.04
14	5413	332	471	6216	102	2216	5019	4981	-615	-647	12868	612	13480	2306	15786	50.14
15	5435	322	467	6224	51	2217	4952	5001	-640	-593	12900	464	13364	2330	15694	50.01
16	5419	392	468	6279	62	2225	4830	5068	-640	-533	13101	408	13509	2337	15846	50.05
17	5399	265	466	6130	78	2225	4867	4934	-640	-659	12708	374	13082	2328	15410	50.07
18	5366	112	475	5953	111	2220	4334	4130	-583	-737	11677	358	12035	2304	14339	50.15
19	5398	257	476	6131	105	2213	4556	4761	-565	-658	12585	129	12714	2350	15064	50.00
20	5372	424	481	6277	145	2151	4604	4499	-499	-569	12511	289	12800	2381	15181	50.05
21	5381	160	489	6030	163	2126	4404	4184	-467	-627	11876	234	12110	2203	14313	50.05
22	5371	118	489	5978	99	2124	4428	4034	-467	-640	11595	158	11753	2027	13780	50.10
23	5273	123	488	5884	124	2041	4183	4165	-453	-684	11530	46	11576	1859	13435	50.06
24	5175	128	488	5791	180	2028	4020	4059	-361	-492	11566	25	11591	1648	13239	50.32
MUs	126.79	6.11	11.58	144.48	4.26	52.16	107.66	105.16	-11.38	-11.14	294.97	7.73	302.70	46.45	349.15	50.07

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 22/Jan/2013

Position as on 6.30 Hrs of 23/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	22/01/2013	06.45	Economy Shutdown.	
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.	
Chandrapur Unit 4	210	20/01/2013	09.24		Continued.	Boiler tube leakage.	
Bhusawal Unit 5	500	22/01/2013	11.52		Continued.	Coal Mill Problem	
Koyna Unit 11	80	23/01/2013	06.00		Continued.	Oil Leakage R Phase LV Bushing of G.T.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2013

Position as on 6.30 Hrs of 23/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	13/01/2013	17.34		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	16/01/2013	22.18	22/01/2013	10.09	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.
Dhule - S'Sarovar- II	22/01/2013	21.55		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
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)
400/220 KV 315 MVA ICT-II @ Chandrapur	22/01/2013	09.35	22/01/2013	16.54	SCRM work (Taken on TBC)
Bus-Coupler @ Lonikand	22/01/2013	10.56	23/01/2013	01.20	Red Hot
Chandrapur - Parli - III	22/01/2013	11.00	22/01/2013	17.53	Oil Leakage on R Phase(Taken on TBC)
400/220KV,500 MVA ICT-III at Kolhapur	22/01/2013	11.34	22/01/2013	19.22	Oil Leakage on Radiator
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
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.
Kalwa - Bapgaon	21/01/2013	08.32	23/01/2013	00.13	Shifting of line on New Tower
Butibori MIDC-VIPL-II	21/01/2013	10.24		Continued.	Erection of New Line
Khaparkhedha-Kawlewada-I	22/01/2013	07.57	22/01/2013	19.03	Replacement of Earth Wire
Warora - Wani	22/01/2013	08.39	22/01/2013	15.22	Tan Delta of CT
Karad-Pedambe	22/01/2013	09.24	22/01/2013	19.40	Replacement of Old Insulator String
Mudshingi-Wathar	22/01/2013	10.04	22/01/2013	15.18	Q.M.Work
Vita - Miraj	22/01/2013	10.42	22/01/2013	14.08	Q.M.Work
220/100KV 200MVA ICT-I at Taloja	22/01/2013	12.01	22/01/2013	15.26	Oil Top up in OLTC
220/132KV,200 MVA ICT-II at Beed	22/01/2013	12.50	22/01/2013	15.07	Checking of Differential Relay

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2013

Position as on 6.30 Hrs of 23/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
220/132KV,200MVA T/F-I at BBLSR	22/01/2013	13.20	22/01/2013	14.30	Replacement of Fire Detector in CTR
Kandalgaon - Topworth	22/01/2013	14.20	22/01/2013	15.50	Coil replacement work
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	22/01/2013	07.54	Over Voltage.
Karad - Kolhapur - II	19/01/2013	16.23		Continued.	Over Voltage.
Karad - Kolhapur - I	21/01/2013	16.34	22/01/2013	08.25	Over Voltage
Dhule - Babhaleshwar - I	21/01/2013	22.04	22/01/2013	07.53	Over Voltage
Chandrapur - Parli - III	21/01/2013	23.52	22/01/2013	07.11	Over Voltage
Padgha - Nagothane- II	22/01/2013	00.10	22/01/2013	07.20	Over Voltage
Karad-Jaigad I	22/01/2013	02.14	22/01/2013	08.57	Over Voltage
Bhusawal- Aurangabad	22/01/2013	17.05		Continued.	Over Voltage
Karad - Kolhapur - I	22/01/2013	17.33		Continued.	Over Voltage
Chandrapur - Parli - III	22/01/2013	21.01		Continued.	Over Voltage
Lonikand- Koyna Stage IV	22/01/2013	23.16		Continued.	Over Voltage
Padgha - Nagothane - I	23/01/2013	00.16		Continued.	Over Voltage
Karad - Newkoyna - I	23/01/2013	01.30		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.
Dabhol - Nagothane - I	22/01/2013	01.44	22/01/2013	08.43	Over Voltage
Voltage Level : 132KV			Outage Type TRIPPED		
Akola-Akola MIDC	22/01/2013	15.48	22/01/2013	15.57	Over Current

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	450
Unit 5	500	0
	1420	810
Parli		
Unit 3	210	125
Unit 4	210	0
Unit 5	210	145
Unit 6	250	220
Unit 7	250	0
	1130	490
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	0
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	1835
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
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	185
Unit 4	210	185
Unit 5	210	185
	630	555
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	58
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	
	611	184
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	1047
WARDHA	405	370
Adani	660	
Other CPPs	0	
	1665	1417
Tata		
Trombay 4	150	0
Trombay 5	500	250
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4706
	3455	4706