



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Jan/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Jan/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.942	2788.951	1) Gujrat	7.746	200.568
2) Hydro	7.326	204.692	2) Madhya Pradesh	15.956	335.686
3) Gas	11.883	253.510	3) Chattisgarh	8.630	213.910
Total MSGENCO	148.151	3247.153	4) Maharashtra	67.173	1443.612
B) 1) JSW JAIGAD	25.057	598.937	5) Goa	-5.403	-124.211
2) WPCL	8.685	202.608	6) TAPS 1&2 Injection	3.888	73.595
3) ADANI	10.110	205.650	7) RGPPL Injection	4.698	146.255
4) Other CPP / IPP	9.056	223.194	8) Pench (Excess)	-0.054	-4.395
5) Wind Generation	3.222	78.789	# Total Cent. Sector	102.634	2285.020
6) PENCH (MS)	0.054	4.395	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.438	-186.985
1) TPCL Thermal	20.524	473.733	G) Bilateral Power *		
2) TPCL Hydro	5.465	102.150	1) MSEDCL Bilateral	41.448	895.103
TOTAL TPCL	25.989	575.883	Include PX	0.000	-1.428
3) REL Thermal	11.599	276.762	2) MUMBAI Bilateral	10.360	209.021
D) STATE			Include PX	-1.029	-52.302
1) Thermal (A1+C1+C3)	161.065	3539.446	3) MUMBAI Schedule	10.360	209.021
2) Hydro (A2+B5+C2)	12.845	311.237	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.883	253.510	1) MSEDCL	297.531	6658.761
4) Wind (B4)	3.222	78.789	2) TPCL	31.245	693.317
5) CPP (B1+B2+B3)	52.908	1034.849	3) REL	15.964	346.572
TOTAL STATE	241.923	5217.831	TOTAL STATE	344.740	7698.650

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	5399	5551	4781
MSGENCO Hydro	849	243	129
MSGENCO Gas	480	472	491
MSGENCO Total Generation	6728	6266	5401
Central Sector Receipt	4817	4488	3943
WIND	249	64	145
CPP / IPP	2393	2342	1906
Exchange with Mumbai	-405	-476	-88
MSEDCL DEMAND MET	13782	12684	11307
Load Shedding	612	534	44
MSEDCL DEMAND	14394	13218	11351
TPCL GENERATION	1488	1341	766
R-INFRA GENERATION	529	528	391
TPCL+R-INFRA DEMAND	2422	2345	1245
STATE DEMAND MET	16204	15029	12552
STATE DEMAND	16816	15563	12596
Frequency (Hz)	49.94	49.99	50.27

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.54 Hz at 04.05 Hrs	49.54 Hz at 06.47 Hrs	50	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 23/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	3.60	60.38	160	140	150
Unit 7	4.19	65.19	200	145	150
Total	7.79	125.57			300
Bhusawal					
Unit 2	4.07	56.65	185	150	180
Unit 3	3.92	89.83	180	150	180
Unit 4	9.36	131.34	460	320	450
Unit 5	0.00	33.10	0	0	0
Total	17.36	310.92			810
Parli					
Unit 3	3.15	69.83	146	109	125
Unit 4	0.00	0.00	0	0	0
Unit 5	3.15	85.95	137	112	145
Unit 6	5.47	127.63	257	166	220
Unit 7	0.00	0.00	0	0	0
Total	11.76	283.41			490
Chandrapur					
Unit 1	3.54	83.92	151	144	160
Unit 2	3.36	61.30	156	127	150
Unit 3	4.55	107.20	198	179	200
Unit 4	1.37	92.02	181	0	0
Unit 5	9.77	225.12	435	339	425
Unit 6	10.20	191.87	455	345	450
Unit 7	10.27	203.73	460	345	450
Total	43.07	965.16			1835
Paras					
Unit 3	5.12	113.16	243	190	200
Unit 4	4.97	124.10	231	182	200
Total	10.09	237.26			400
Khaparkheda					
Unit 1	3.52	93.78	175	110	185
Unit 2	3.18	91.49	165	80	185
Unit 3	3.68	90.81	171	145	185
Unit 4	4.31	99.32	193	170	185
Unit 5	11.50	208.73	518	375	500
Total	26.19	584.14			1240
Nasik					
Unit 3	4.29	99.56	190	170	185
Unit 4	4.06	95.24	175	162	185
Unit 5	4.34	87.70	190	170	185
Total	12.69	282.49			555
Uran					
All Units	11.88	253.51	672	463	480
Total	11.88	253.51			480
PENCH (MS)					
Pench (MS)	0.05	4.40	26	0	
Total	0.05	4.40			
Koyna					
Stage 1-2	1.86	58.23	260	35	450
Stage 4	0.27	35.83	166	0	250
Stage 3	0.63	20.44	160	0	240
Kovna 12&4 Total	2.13	94.06			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.76	114.49			940
Hydro					
KDPH	0.46	10.18	20	19	18
VTRNA	0.00	1.46	0	0	0
TILLARI	0.29	2.85	60	0	58
BHTGR/VEER	0.05	1.65	3	2	2
BHIRA T.R.	0.27	6.46	80	0	80
RNGR+BHTSA	0.36	8.41	15	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.06	0	0	0
SMLHY PTN	1.21	22.36	58	47	11
GHATGHAR	1.92	36.76	250	0	
Total	4.57	90.20			184
Wind					
MalharPeth	0.17	4.17			
Vankuswadi	0.34	6.04			
ATIT	0.02	2.41			
Kale	0.05	1.87			
Satara	0.09	7.86			
Shirala	0.06	2.60			
K Mahankal	0.18	2.58			
Supa	0.04	1.44			
Vita	0.52	9.64			
Dondaicha	1.20	26.31			
Sakri	0.15	3.39			
Nandurbar	0.10	2.33			
Khandke	0.23	4.67			
Khaparale	0.07	3.48			
Total	3.22	78.79			
CPP					
JSW JAIGAD	25.06	598.94	1151	883	1047
WARDHA	8.68	202.61	372	291	370
Adani	10.11	205.65	470	360	
Other CPPs	9.06	223.19			
Total	52.91	1230.39			1417
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	5.96	218.19	287	237	250
Trombay 6	4.48	104.15	375	0	500
Trombay 7A	2.95	67.07	131	115	120
Trombay 7B	1.63	37.26	70	64	60
Trombay 8	5.50	47.07	251	192	250
TATA Hydro	5.46	102.15	459	0	447
Total	25.99	575.88			1627
REL					
1&2	11.60	276.76	530	391	500
Total	11.60	276.76			500
Cent Sect					
Share					4706
Total					4706

MS PG CL	Thermal	128.94	2788.95			5630
	Thml+Gas	140.82	3042.46			6110
	Hydro	7.33	204.69			1124
	Total	148.15	3247.15			7234
State Total		241.92	5217.83			15484

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	5127	123	492	5742	181	2008	3913	3712	-279	-280	11363	8	11371	1438	12809	50.12
2	4894	123	492	5509	228	1992	3946	3756	-301	-148	11337	33	11370	1307	12677	50.17
3	4781	129	491	5401	145	1906	4111	3943	-366	-88	11307	44	11351	1245	12596	50.27
4	4749	124	491	5364	135	1900	4111	4054	-363	-59	11394	44	11438	1217	12655	50.27
5	4806	134	490	5430	136	1944	4073	4131	-361	-87	11554	44	11598	1244	12842	50.19
6	5170	207	482	5859	134	2112	3944	4150	-162	-186	12069	156	12225	1356	13581	49.94
7	5269	234	491	5994	181	2264	4474	4142	-383	-144	12437	462	12899	1563	14462	49.85
8	5435	477	491	6403	177	2375	4663	4819	-465	-317	13457	632	14089	1745	15834	49.82
9	5363	599	489	6451	172	2388	4680	4600	-480	-332	13279	835	14114	1977	16091	49.86
10	5407	815	485	6707	196	2385	4709	4703	-484	-354	13637	621	14258	2244	16502	49.97
11	5399	849	480	6728	249	2393	4788	4817	-533	-405	13782	612	14394	2422	16816	49.94
12	5409	607	463	6479	176	2385	4796	4505	-534	-412	13133	726	13859	2467	16326	49.88
13	5553	400	467	6420	75	2377	4807	4744	-539	-491	13125	863	13988	2449	16437	49.87
14	5534	279	468	6281	63	2385	4820	4406	-542	-500	12635	761	13396	2331	15727	50.03
15	5473	344	464	6281	69	2388	4754	4555	-528	-482	12811	622	13433	2338	15771	49.88
16	5481	409	473	6363	69	2389	4648	4619	-524	-443	12997	562	13559	2357	15916	49.95
17	5551	243	472	6266	64	2342	4744	4488	-521	-476	12684	534	13218	2345	15563	49.99
18	5639	156	476	6271	63	2170	4255	3707	-381	-523	11688	539	12227	2335	14562	50.02
19	5701	265	479	6445	43	2233	4728	4567	-445	-569	12744	179	12923	2367	15290	49.94
20	5752	253	492	6497	99	2297	4747	4234	-463	-526	12627	321	12948	2416	15364	50.02
21	5729	168	503	6400	154	2192	4514	4241	-458	-650	12340	237	12577	2244	14821	49.96
22	5719	136	521	6376	142	2072	4514	3953	-458	-716	11827	177	12004	2076	14080	50.01
23	5676	126	559	6361	176	2005	4336	3841	-441	-646	11737	46	11783	1883	13666	49.99
24	5325	126	672	6123	95	2006	4032	3947	-349	-604	11567	22	11589	1660	13249	50.17
MUs	128.94	7.33	11.88	148.15	3.22	52.91	107.11	102.63	-10.36	-9.44	297.53	9.08	306.61	47.03	353.64	50.00

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 23/Jan/2013

Position as on 6.30 Hrs of 24/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
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	23/01/2013	19.58	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	23/01/2013	11.34	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.	
Tata Trombay 6	500	23/01/2013	22.57		Continued.	Economy Shutdown.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jan/2013

Position as on 6.30 Hrs of 24/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
Boiser - Tarapur - II	23/01/2013	10.12	23/01/2013	19.56	Breaker Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	13/01/2013	17.34		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.
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.
Padgha - Talegaon (PG)	23/01/2013	12.32	23/01/2013	17.59	Distance Protection.
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)
Bus-Coupler @ Lonikand	22/01/2013	10.56	23/01/2013	01.20	Red Hot
400/220KV, 315MVA ICT-I @ New Koyna.	23/01/2013	10.07	23/01/2013	19.51	Tan Delta Measurment Work,SFRA Test.
Parli - Lamboti	23/01/2013	12.04	24/01/2013	06.05	Replacement of Faulty Disc Insulator.
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	23/01/2013	16.38	Oil Leakage & Maint.Work,Taken on Humming.
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
Pedambe-Tambati	23/01/2013	09.10	23/01/2013	18.27	Insulator Replacement.
Nasik - Airoli - Knowledge Park	23/01/2013	10.25	23/01/2013	19.46	Stringing Work of New Tower.
Dondaicha - Shahada	23/01/2013	10.30	23/01/2013	13.31	Measurment of Contact Ressistance Measurement of Breaker Timing.
Karad-Pedambe	23/01/2013	10.45	23/01/2013	18.55	Replacement of Insulator String.
Chandrapur - Warora	23/01/2013	10.50	23/01/2013	17.37	Replacement of Y Ph. LA & Other Maintenance Work.
220/100KV 200 MVA ICT-III @ Padgha	23/01/2013	10.53	23/01/2013	18.21	Insulator Replacement Work.
Vita - Lamboti	23/01/2013	16.52	23/01/2013	18.52	Hot Spot Work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jan/2013

Position as on 6.30 Hrs of 24/Jan/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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.
Karad - Kolhapur - II	19/01/2013	16.23		Continued.	Over Voltage.
Bhusawal- Aurangabad	22/01/2013	17.05		Continued.	Over Voltage
Karad - Kolhapur - I	22/01/2013	17.33	23/01/2013	08.32	Over Voltage
Chandrapur - Parli - III	22/01/2013	21.01	23/01/2013	08.54	Over Voltage
Lonikand- Koyna Stage IV	22/01/2013	23.16	23/01/2013	06.45	Over Voltage
Padgha - Nagothane - I	23/01/2013	00.16	23/01/2013	07.55	Over Voltage
Karad - Newkoyna - I	23/01/2013	01.30	23/01/2013	07.56	Over Voltage
C'pur-Parli II	23/01/2013	20.53		Continued.	Over Voltage.
Karad - Kolhapur - I	23/01/2013	23.48	24/01/2013	07.06	Over Voltage.
Lonikand- Koyna Stage IV	24/01/2013	00.02	24/01/2013	06.52	Over Voltage.
Padgha - Nagothane- II	24/01/2013	01.35	24/01/2013	06.38	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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Jan/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	155
	620	285
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	450
Unit 5	500	
	1420	810
Parli		
Unit 3	210	140
Unit 4	210	0
Unit 5	210	120
Unit 6	250	185
Unit 7	250	0
	1130	445
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	2035
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	660
	852	660
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	160
	1920	860
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	186
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	1043
WARDHA	405	370
Adani	660	
Other CPPs	0	
	1665	1413
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	4757
	3455	4757