



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Mar/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.202	2809.397	1) Gujrat	0.704	-15.308
2) Hydro	18.193	279.699	2) Madhya Pradesh	23.269	451.364
3) Gas	3.623	153.249	3) Chattisgarh	10.020	207.380
Total MSGENCO	150.018	3242.345	4) Maharashtra Net	85.528	1698.271
B) 1) JSW JAIGAD	12.008	334.053	(Incl. 765kV Solapur-Raichur)	-3.057	-31.767
2) WPCL	4.735	97.485	5) Goa	-5.560	-136.992
3) ADANI	32.645	754.726	6) TAPS 1&2 Injection	7.488	156.620
4) Other CPP / IPP	19.060	394.446	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.085	127.798	8) Pench (Excess)	-0.216	-5.689
6) PENCH (MS)	0.216	5.689	# Total Cent. Sector	121.233	2355.646
7) SOLAR	1.235	24.523	F) Other Exchanges		
C) 1) TPCL Thermal	15.741	333.387	1) With TPCL (Excess)	-18.077	-516.317
2) TPCL Hydro	1.188	76.767	G) Bilateral Power *		
TOTAL TPCL	16.929	410.154	1) MSEDCL Bilateral	15.139	275.153
3) REL Thermal	12.536	266.580	Include PX	-1.873	-108.009
D) STATE			2) MUMBAI Bilateral	17.504	439.377
1) Thermal (A1+C1+C3)	156.479	3409.364	Include PX	3.757	126.675
2) Hydro (A2+B6+C2)	19.597	362.155	3) MUMBAI Schedule	17.504	439.480
3) Gas (A3)	3.623	153.249	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.085	127.798	1) MSEDCL	329.158	6820.394
5) CPP/IPP (B1+B2+B3+B4)	68.448	858.629	2) TPCL	29.895	765.230
6) SOLAR (B7)	1.235	24.523	3) REL	17.646	427.785
TOTAL STATE	255.467	4935.718	TOTAL STATE	376.699	8013.409

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5506	5459	5019
MSGENCO Hydro	1603	1295	192
MSGENCO Gas	147	150	154
MSGENCO Total Generation	7256	6904	5365
Central Sector Receipt	5490	5161	4623
WIND	71	288	306
CPP / IPP	2872	2629	2863
SOLAR	159	73	0
Exchange with Mumbai	-816	-754	-465
MSEDCL DEMAND MET	15032	14301	12692
Load Shedding	666	470	0
MSEDCL DEMAND	15698	14771	12692
TPCL GENERATION	779	767	671
R-INFRA GENERATION	521	521	524
TPCL+R-INFRA DEMAND	2116	2042	1660
STATE DEMAND MET	17148	16343	14352
STATE DEMAND	17814	16813	14352
Frequency (Hz)	49.94	50.00	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 06.56 Hrs	49.64 Hz at 12.03 Hrs	49.98	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/Mar/2014

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	3.44	75.99	160	120	155
Unit 7	0.00	74.51	0	0	0
Total	3.44	150.50			155
Bhusawal					
Unit 2	3.26	57.11	145	120	140
Unit 3	2.59	63.84	135	0	110
Unit 4	9.92	159.26	510	330	400
Unit 5	8.34	187.66	410	280	370
Total	24.11	467.86			1020
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.94	75.48	186	120	170
Unit 5	3.32	56.68	158	126	130
Unit 6	4.48	90.70	250	120	182
Unit 7	4.72	105.32	250	170	180
Total	16.47	328.18			662
Chandrapur					
Unit 1	3.28	73.92	143	133	150
Unit 2	3.89	77.17	168	157	165
Unit 3	4.40	88.93	190	168	190
Unit 4	4.88	102.82	207	198	210
Unit 5	11.06	198.22	470	450	470
Unit 6	9.86	182.13	427	390	430
Unit 7	3.96	138.42	375	0	0
Total	41.32	861.62			1615
Paras					
Unit 3	4.86	95.32	236	185	230
Unit 4	5.34	116.32	245	201	230
Total	10.20	211.64			460
Khaparkheda					
Unit 1	3.74	84.57	185	120	140
Unit 2	3.02	80.86	145	100	140
Unit 3	4.01	92.24	184	140	160
Unit 4	4.10	49.70	209	143	160
Unit 5	11.54	225.65	500	420	500
Total	26.41	533.02			1100
Nasik					
Unit 3	4.22	80.84	185	165	180
Unit 4	2.03	89.83	192	0	0
Unit 5	0.00	85.91	0	0	0
Total	6.25	256.59			180
Uran					
All Units	3.62	153.25	154	147	150
Total	3.62	153.25			150
PENCH (MS)					
Pench (MS)	0.22	5.69	53	0	
Total	0.22	5.69			
Koyna					
Stage 1-2	5.10	71.54	520	40	600
Stage 4	6.47	76.95	810	0	250
Stage 3	2.18	32.46	240	0	320
Kovna 12&4 Total	11.57	148.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.75	180.94			1170
Hydro					
KDPH	0.44	11.59	19	18	18
VTRNA	1.05	7.18	61	0	61
TILLARI	0.41	9.10	64	0	60
BHTGR/VEER	0.07	0.26	3	2	2
BHIRA T.R.	0.20	3.95	40	0	40
RNGR+BHTSA	0.34	7.43	15	14	12
BHANDARDRA	0.00	8.48	0	0	0
ELDARY	0.35	1.43	15	9	12
SMLHY PTN	0.97	19.80	41	40	6
GHATGHAR	0.61	29.53	125	0	0
Total	4.44	98.76			211
Wind					
MalharPeth	0.31	4.68			
Vankuswadi	0.47	8.24			
ATIT	0.07	0.86			
Kale	0.23	2.12			
Satara	1.80	32.72			
Shirala	0.24	2.83			
K Mahankal	0.02	0.37			
Supa	0.03	2.68			
Vita	0.84	17.10			
Dondaicha	1.48	35.81			
Sakri	0.14	4.26			
Nandurbar	0.24	3.16			
Khandke	0.09	6.75			
Khaparale	0.12	6.22			
Total	6.08	127.80			
CPP					
JSW JAIGAD	12.01	334.05	562	480	507
WARDHA	4.74	97.48	204	181	290
Adani	32.64	754.73	1450	1112	1160
Other CPPs	19.06	394.45			454
Total	68.45	1580.71			2411
SOLAR					
Total	1.24	24.52			
Total	1.24	24.52			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.40	233.22	501	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	63.35	115	114	120
Trombay 7B	1.59	36.82	67	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.19	76.77	170	0	447
Total	16.93	410.15			1127
REL					
1&2	12.54	266.58	527	520	500
Total	12.54	266.58			500
Cent Sect					
Share					5290
Total					5290
MS PG CL	Thermal	128.20	2809.40		5192
	Thml+Gas	131.82	2962.65		5342
	Hydro	18.19	279.70		1381
	Total	150.02	3242.34		6723
State Total		255.47	4935.72		16051

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Mar/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4959	556	154	5669	221	2843	0	4761	5296	-827	-783	13246	0	13246	1986	15232	49.97
2	5011	671	154	5836	166	2845	0	4597	4788	-687	-627	13008	0	13008	1831	14839	49.99
3	5048	507	154	5709	221	2851	0	4622	4548	-610	-545	12784	0	12784	1738	14522	49.92
4	4985	287	154	5426	251	2884	0	4583	4666	-573	-521	12706	0	12706	1695	14401	50.03
5	5019	192	154	5365	306	2863	0	4613	4623	-595	-465	12692	0	12692	1660	14352	49.89
6	5072	226	154	5452	337	2743	0	4762	4993	-620	-507	13038	326	13364	1707	15071	50.02
7	5088	311	154	5553	305	2727	0	4891	5139	-575	-519	13256	815	14071	1721	15792	50.09
8	5126	606	154	5886	238	2804	29	4799	5087	-566	-498	13598	851	14449	1726	16175	49.98
9	5266	1053	151	6470	160	2861	67	4839	4968	-616	-581	13998	773	14771	1839	16610	49.91
10	5457	1338	148	6943	133	2836	129	4983	5190	-705	-616	14627	588	15215	1954	17169	49.96
11	5453	1478	147	7078	126	2827	150	5104	5173	-796	-750	14604	597	15201	2071	17272	49.97
12	5506	1603	147	7256	71	2872	159	5205	5490	-834	-816	15032	666	15698	2116	17814	49.94
13	5359	1529	147	7035	48	2889	179	5208	5354	-828	-788	14717	792	15509	2121	17630	49.90
14	5403	1331	149	6883	68	2899	166	5216	5494	-801	-797	14713	689	15402	2072	17474	50.04
15	5450	1362	150	6962	103	2896	140	5196	5587	-777	-767	14921	566	15487	2046	17533	50.01
16	5395	1515	150	7060	152	2871	114	5177	5390	-758	-731	14856	467	15323	2017	17340	50.01
17	5459	1295	150	6904	288	2629	73	4946	5161	-722	-754	14301	470	14771	2042	16813	50.00
18	5522	496	150	6168	339	2699	28	4487	4263	-695	-785	12712	392	13104	2009	15113	50.04
19	5570	209	150	5929	362	2777	1	4603	4661	-668	-881	12857	40	12897	2059	14956	49.98
20	5645	443	151	6239	460	2953	0	5082	5228	-860	-863	14037	42	14079	2218	16297	49.94
21	5599	271	150	6020	468	2971	0	5046	5209	-868	-1041	13627	32	13659	2284	15943	49.99
22	5633	203	151	5987	458	3040	0	4793	4927	-837	-1107	13305	24	13329	2223	15552	49.94
23	5633	383	150	6166	424	2982	0	4798	5047	-838	-1188	13431	22	13453	2240	15693	50.03
24	5547	328	150	6025	380	2886	0	4930	4953	-849	-1147	13097	22	13119	2167	15286	50.05
MUs	128.20	18.19	3.62	150.02	6.08	68.45	1.24	117.24	121.24	-17.50	-18.08	329.16	8.17	337.34	47.54	384.88	49.98

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/Mar/2014

Position as on 6.30 Hrs of 24/Mar/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T, Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP JSW (J) U1	300	12/03/2014	12:00		Continued.	Condinsor Tube Leakage.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
Chandrapur Unit 7	500	18/03/2014	00.25	23/03/2014	06.51	Hydrogen gas leakage.	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Bhusawal Unit 3	210	20/03/2014	22.22	23/03/2014	2.25	I.D. Fan Problem.	
Nasik Unit 5	210	21/03/2014	04.40	24/03/2014	03.20	Electrical Fault.	
Nasik Unit 4	210	21/03/2014	05.55	23/03/2014	10.35	Vacuum low.	
Uran Unit B0	120	22/03/2014	16.27		Continued.	boiler prot.	
Uran Unit 7	108	22/03/2014	16.27		Continued.	bearing voltage high	
Koradi Unit 7	210	22/03/2014	9.35		Continued.	Id fan a tripped on bearing temp. high	
Parli Unit 4	210	24/03/2014	00.01		Continued.	Coal Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Mar/2014

Position as on 6.30 Hrs of 24/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	19/03/2014	09.48	23/03/2014	17.57	To control Akola- A'Bad L/L
Kolhapur-Mapusa-II	22/03/2014	16.48	23/03/2014	09.30	over voltage
Kolhapur - Mapusa - I	23/03/2014	16.15		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	23/03/2014	18.14		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765/400KV 1500MVA ICT at Tiroda	17/03/2014	17.56	23/03/2014	17.03	I/S.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Karad - I	19/03/2014	07.45		Continued.	Taken on TBC Attending air Leakage problem of CB.
400/220 KV 300 MVA ICT-I @ Koradi	19/03/2014	12.30		Continued.	Repl.Of Y Phase ICT-I(Up to 28-3-14)
400/220KV,315 MVA ICT-I at BBLSR	20/03/2014	16.04	23/03/2014	11.03	Own CB Shifted On TBC.
400 KV Bus Coupler @ Kalwa	23/03/2014	08.35		Continued.	CRM,CB Timing,Tan delta.
Bus II at Boiser	23/03/2014	09.20		Continued.	A.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200MVA ICT-II at Kalwa	21/03/2014	15.30		Continued.	HV Side Own Bkr on TBC.
Jejuri - Phursungi - II	22/03/2014	23.10	23/03/2014	2.23	hot spot attending work
Kharghar-Nerul	23/03/2014	07.39	23/03/2014	11.58	Hot Spot.
Boiser-Versova	23/03/2014	07.53	23/03/2014	10.57	B Bus isolator maint work.
Padgha-Temghar I	23/03/2014	09.05	23/03/2014	13.35	Repl.of old rusted D schackle.
Pirangut - Hinjewadi - II	23/03/2014	10.00	23/03/2014	16.30	Half yearly Maint.work.
Dahanu-Versova	23/03/2014	11.03	23/03/2014	20.05	A.M.Work
C' Enka - Khadki	23/03/2014	12.24	23/03/2014	18.18	Bus side isolator Repl under Jica II.
Theur-Phursungi-I	23/03/2014	23.20	24/03/2014	02.21	Maint.work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chinchwad-Rahatri	22/03/2014	23.40	23/03/2014	4.53	replacement of ct under jica 2
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765 KV (Akola 2) 240 MVAR bus reactor	23/03/2014	17.30		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Karad - Kolhapur - II	22/03/2014	17.08	23/03/2014	07.43	over voltage
Karad-Jaigad I	22/03/2014	17.53	23/03/2014	08.48	over voltage
Bhusawal- Aurangabad	22/03/2014	17.57	23/03/2014	6.40	over voltage
Karad-Jaigad I	23/03/2014	16.40		Continued.	Over Voltage.
Karad - Kolhapur - II	23/03/2014	16.54	24/03/2014	06.43	Over Voltage.
Talegaon PG - Aurangabad - II	23/03/2014	16.54		Continued.	To control Akola - A'bad load.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Mar/2014

Position as on 6.30 Hrs of 24/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	23/03/2014	18.03		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Alephata	23/03/2014	07.35		Continued.	To Control BBLSR ICT L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection
Padgha - Nagothane- II	24/03/2014	05.01	24/03/2014	05.51	Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	16/03/2014	20.10		Continued.	y phase CT Burst,Bus Bar Prot.operated
Chikhali - Jalna - II	16/03/2014	20.10		Continued.	Bus Bar Prot.Operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	130
	620	270
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	430
Unit 5	500	372
	1420	1082
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	170
Unit 7	250	170
	1130	495
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	190
Unit 4	210	210
Unit 5	500	470
Unit 6	500	450
Unit 7	500	400
	2340	2035
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	500
	1340	1250
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	190
	630	560
Uran		
All Units	852	150
	852	150
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	6
GHATGHAR	250	0
	611	216
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	486
WARDHA	405	218
Adani	1980	1234
Other CPPs	300	465
	3885	2403
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5877
	3455	5877