



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

**State Load Dispatch Center,
Airoli**

Daily system Report

for

24/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Feb/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.038	2951.039	1) Gujrat	0.502	113.397
2) Hydro	13.901	422.496	2) Madhya Pradesh	20.255	416.118
3) Gas	7.567	159.593	3) Chattisgarh	9.210	214.970
Total MSGENCO	142.506	3533.128	4) Maharashtra Net	85.677	2053.337
B) 1) JSW JAIGAD	18.499	455.947	(Incl. 765kV Solapur-Raichur)	-0.697	-16.220
2) WPCL	2.299	64.944	5) Goa	-6.504	-136.815
3) ADANI	28.173	713.520	6) TAPS 1&2 Injection	7.534	169.641
4) Other CPP / IPP	18.971	433.979	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.396	140.324	8) Pench (Excess)	-0.328	-9.353
6) PENCH (MS)	0.328	9.405	# Total Cent. Sector	116.346	2821.295
7) SOLAR	1.061	25.425	F) Other Exchanges		
C) 1) TPCL Thermal	14.635	353.721	1) With TPCL (Excess)	-20.535	-410.303
2) TPCL Hydro	4.644	86.726	G) Bilateral Power *		
TOTAL TPCL	19.279	440.447	1) MSEDCL Bilateral	15.645	353.666
3) REL Thermal	11.747	281.168	Include PX	-0.479	-5.084
D) STATE			2) MUMBAI Bilateral	16.991	345.759
1) Thermal (A1+C1+C3)	147.420	3585.928	Include PX	2.496	106.101
2) Hydro (A2+B6+C2)	18.873	518.627	3) MUMBAI Schedule	16.991	351.278
3) Gas (A3)	7.567	159.593	H) ENERGY CATERED (MUs)		
4) Wind (B5)	9.396	140.324	1) MSEDCL	317.044	7787.664
5) CPP/IPP (B1+B2+B3+B4)	67.942	983.043	2) TPCL	33.554	730.997
6) SOLAR (B7)	1.061	25.425	3) REL	18.005	400.887
TOTAL STATE	252.259	5412.940	TOTAL STATE	368.603	8919.548

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5265	4977	4919
MSGENCO Hydro	1329	1290	141
MSGENCO Gas	299	302	335
MSGENCO Total Generation	6893	6569	5395
Central Sector Receipt	5516	5417	4075
WIND	545	222	387
CPP / IPP	2940	3006	2330
SOLAR	147	36	0
Exchange with Mumbai	-1091	-1122	-476
MSEDCL DEMAND MET	14950	14128	11711
Load Shedding	723	491	75
MSEDCL DEMAND	15673	14619	11786
TPCL GENERATION	1074	937	496
R-INFRA GENERATION	523	522	392
TPCL+R-INFRA DEMAND	2688	2581	1364
STATE DEMAND MET	17638	16709	13075
STATE DEMAND	18361	17200	13150
Frequency (Hz)	50.05	50.04	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 17:57 Hrs	49.71 Hz at 17:12 Hrs	50.05	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 24/Feb/2014

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	8.72	305.72			1020	
Unit 5	0.00	50.03	0	0	0	Hydro						
Unit 6	3.35	25.97	150	125	150	KDPH	0.45	12.63	19	18	18	
Unit 7	3.76	85.70	170	150	160	VTRNA	0.00	0.00	0	0	0	
Total	7.11	161.71			310	TILLARI	0.40	9.55	64	0	60	
Bhusawal						BHTGR/VEER	0.00	1.24	0	0	0	
Unit 2	0.00	72.07	0	0	0	BHIRA T.R.	0.11	2.92	40	0	40	
Unit 3	1.42	87.11	150	0	0	RNGR+BHTSA	0.36	8.33	15	14	15	
Unit 4	4.06	214.36	495	0	500	BHANDARDRA	0.85	4.92	36	35	26	
Unit 5	8.00	164.20	400	295	344	ELDARY	0.00	5.34	0	0	0	
Total	13.48	537.75			844	SMLHY_PTN	0.69	23.64	36	26	20	
Parli						GHATGHAR	2.32	48.21	240	0	0	
Unit 3	0.00	0.00	0	0	0	Total	5.18	116.78			179	
Unit 4	3.85	71.38	169	152	160	Wind						
Unit 5	3.66	91.51	166	140	150	MalharPeth	0.14	4.80				
Unit 6	4.91	121.16	250	185	185	Vankuswadi	0.30	8.98				
Unit 7	4.92	118.22	250	190	190	ATIT	0.02	1.40				
Total	17.33	402.27			685	Kale	0.07	3.05				
Chandrapur						Satara	1.98	37.85				
Unit 1	3.25	78.00	142	113	140	Shirala	0.10	3.47				
Unit 2	3.09	3.62	155	110	120	K Mahankal	0.03	0.86				
Unit 3	4.25	101.44	189	161	190	Supa	0.15	2.45				
Unit 4	0.00	103.75	0	0	0	Vita	1.40	21.24				
Unit 5	8.97	41.56	420	325	400	Dondaicha	3.72	37.90				
Unit 6	9.58	207.49	430	360	400	Sakri	0.41	5.21				
Unit 7	8.08	196.87	362	301	350	Nandurbar	0.24	3.41				
Total	37.22	732.72			1600	Khandke	0.42	4.88				
Paras						Khaparale	0.42	4.82				
Unit 3	4.88	124.22	215	190	220	Total	9.40	140.32				
Unit 4	5.10	115.08	230	200	220	CPP						
Total	9.98	239.30			440	JSW_JAIGAD	18.50	455.95	898	553	825	
Khaparkheda						WARDHA	2.30	64.94	98	94	95	
Unit 1	3.90	96.44	180	135	180	Adani	28.17	713.52	1326	842	1234	
Unit 2	3.93	88.24	185	145	180	Other_CPPs	18.97	433.98			465	
Unit 3	0.00	93.61	0	0	0	Total	67.94	1668.39			2619	
Unit 4	4.39	103.28	187	179	190	SOLAR						
Unit 5	10.75	249.73	500	380	500	Total	1.06	24.39				
Total	22.98	631.29			1050	Total	1.06	24.39				
Nasik						Tata						
Unit 3	4.22	60.78	190	160	190	Trombay 4	0.00	0.00	0	0	0	
Unit 4	4.39	90.64	195	164	190	Trombay 5	10.29	247.36	502	314	500	
Unit 5	4.33	94.58	190	172	190	Trombay 6	0.00	0.00	0	0	0	
Total	12.94	246.00			570	Trombay 7A	2.75	67.77	115	114	120	
Uran						Trombay 7B	1.60	38.59	68	66	60	
All Units	7.57	159.59	338	236	320	Trombay 8	0.00	0.00	0	0	0	
Total	7.57	159.59			320	TATA Hydro	4.64	86.73	471	0	447	
PENCH (MS)						Total	19.28	440.45			1127	
Pench (MS)	0.33	9.40	43	0	0	REL						
Total	0.33	9.40			0	1&2	11.75	281.17	524	391	500	
Koyna						Total	11.75	281.17			500	
Stage 1-2	3.10	85.20	400	35	450	Cent Sect						
Stage 4	4.31	166.87	843	0	250	Share					5276	
Stage 3	1.32	53.66	240	0	320	Total					5276	
Koyna 12&4 Total	7.40	252.06			700	MS PG CL						
							Thermal	121.04	2951.04			5499
							Thml+Gas	128.60	3110.63			5819
							Hydro	13.90	422.50			1199
							Total	142.51	3533.13			7018
							State Total	252.26	5412.94			16540

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 24/Feb/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 SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4983	142	337	5462	375	2797	0	4442	4401	-589	-714	12321	92	12413	1600	14013	50.23
2	4943	132	335	5410	447	2670	0	4163	4140	-519	-578	12089	75	12164	1470	13634	50.23
3	4958	136	337	5431	557	2565	0	4104	4008	-465	-517	12044	75	12119	1405	13524	50.16
4	4919	141	335	5395	387	2330	0	4060	4075	-420	-476	11711	75	11786	1364	13150	50.13
5	4950	136	337	5423	356	2431	0	4262	4232	-454	-495	11947	76	12023	1385	13408	50.02
6	5056	136	338	5530	409	2786	0	4768	4542	-531	-549	12718	169	12887	1503	14390	50.08
7	5269	141	337	5747	477	2911	1	4907	4742	-582	-587	13313	436	13749	1708	15457	50.00
8	5421	348	337	6106	489	2939	11	4895	5047	-576	-603	14029	772	14801	1880	16681	50.07
9	5576	478	327	6381	551	2998	55	4902	4863	-672	-644	14220	719	14939	2134	17073	49.94
10	5708	608	311	6627	598	3010	94	4988	5010	-785	-820	14519	544	15063	2431	17494	49.97
11	5445	1022	302	6769	600	2920	125	5169	5344	-970	-1050	14708	590	15298	2665	17963	50.03
12	5265	1329	299	6893	545	2940	147	5267	5516	-1046	-1091	14950	723	15673	2688	18361	50.05
13	5091	992	302	6385	445	3037	201	5251	5410	-1018	-1096	14382	833	15215	2687	17902	50.06
14	5028	1120	301	6449	327	3037	160	5123	5473	-889	-1041	14405	704	15109	2566	17675	50.08
15	4995	1485	306	6786	242	2929	127	5125	5381	-878	-988	14477	553	15030	2576	17606	50.02
16	4987	1818	306	7111	169	3094	91	5130	5527	-883	-1045	14947	516	15463	2569	18032	50.05
17	4977	1290	302	6569	222	3006	36	5146	5417	-876	-1122	14128	491	14619	2581	17200	50.04
18	4903	458	313	5674	254	2919	13	4702	4858	-829	-1144	12586	407	12993	2539	15532	50.08
19	4837	326	310	5473	288	2869	0	4723	4859	-877	-1047	12482	154	12636	2519	15155	49.99
20	4837	679	315	5831	264	3141	0	4915	4973	-877	-914	13335	142	13477	2592	16069	50.01
21	4857	207	313	5377	339	2707	0	4906	5173	-623	-886	12750	105	12855	2427	15282	50.02
22	4714	333	314	5361	350	2713	0	4498	4699	-518	-1068	12096	85	12181	2230	14411	50.02
23	4768	295	317	5380	344	2593	0	4475	4156	-595	-1078	11438	82	11520	2102	13622	50.01
24	4551	149	236	4936	361	2600	0	4626	4500	-517	-982	11449	76	11525	1940	13465	49.99
MUs	121.04	13.90	7.57	142.51	9.40	67.94	1.06	114.55	116.35	-16.99	-20.54	317.04	8.49	325.54	51.56	377.10	50.05

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 24/Feb/2014

Position as on 6.30 Hrs of 25/Feb/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	
Koyna Unit 2	75	10/02/2014	12.10		Continued.	Pressure Shaft work	01/03/2014
Koyna Unit 1	75	10/02/2014	12.25		Continued.	Pressure Shaft work	01/03/2014
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.	
Uran Unit B0	120	29/01/2014	17.50		Continued.	Gas Shortage.	
Uran Unit 7	108	29/01/2014	18.05		Continued.	Gas Shortage.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-4	135	12/02/2014	16.53		Continued.	Esp Prob.	
CPP Adani U1	660	15/02/2014	20.59		Continued.	Turbine Problem.	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Khaparkheda Unit 3	210	22/02/2014	14.48	25/02/2014	01.30	BLR T/L.	
CPP JSW (J) U4	300	22/02/2014	19.30		Continued.	Non Schedule.	
Bhusawal Unit 2	210	22/02/2014	3.01		Continued.	PA fan temp.high	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
Chandrapur Unit 4	210	23/02/2014	14.04		Continued.	PA Fan Problem.	
Bhusawal Unit 3	210	24/02/2014	00.57	24/02/2014	08.18	Drum level high.	
Bhusawal Unit 4	500	24/02/2014	10.40		Continued.	Main Steam Line Leakage	
Bhusawal Unit 3	210	24/02/2014	18.30		Continued.	Economiser Tube Leakage	
CPP JSW (J) U2	300	24/02/2014	21.05	25/02/2014	00.04	Electrical Fault	
Uran Unit 5	108	25/02/2014	00.05		Continued.	Gas Shortage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Feb/2014

Position as on 6.30 Hrs of 25/Feb/2014

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	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Tillary-Amona	24/02/2014	09.19	24/02/2014	18.20	Restrining of New E/W
Mahalakshmi - Amona	24/02/2014	09.30	24/02/2014	18.40	Restrining of New E/W
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	21/02/2014	11.17		Continued.	over voltage
Kolhapur - Mapusa - I	23/02/2014	16.07	24/02/2014	08.59	Over Voltage.
Dhule-Sar'Sarovar - I	23/02/2014	22.02	24/02/2014	06.07	Over Voltage.
Chandrapur-Bhadravti - I	24/02/2014	12.38	24/02/2014	20.08	CT Oil Leakage
Kolhapur-Mapusa-II	24/02/2014	13.16		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	24/02/2014	22.20		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	23/02/2014	18.00	24/02/2014	09.07	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Lonikand-II	21/02/2014	16.40	21/02/2014	Continued.	attend y-ph Iv ct oil leakage
Lonikand Ckt.I Main CB.at Lonikand II	22/02/2014	1032		Continued.	Repl.of CB under Jica II,line taken on TBC up to 27.02.14
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Bhusawal - Chalisgaon - II	21/02/2014	9.01		Continued.	restringing work
Lote - Dasturi	24/02/2014	09.00		Continued.	Erection and commissioning of CB and CT
ONGC-Panvel TSS	24/02/2014	10.15	24/02/2014	17.10	R.M.Work
Kalwa-Mulund II	24/02/2014	12.05	24/02/2014	14.12	CRM Measurement work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV,200 MVA T/F-I At Apta	24/02/2014	10.27	24/02/2014	12.08	Heavy Oil Leakage
220/100KV 200 MVA ICT III at Borivali	24/02/2014	15.58		Continued.	Repl.of Relay and control panel
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol - Nagothane - I	05/02/2014	17.37		Continued.	Over Voltage.
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Karad-Kolhapur-II	23/02/2014	16.02	24/02/2014	07.10	Over Voltage.
Karad-Jaigad I	23/02/2014	16.11	24/02/2014	09.08	Over Voltage.
Bhusawal- Aurangabad	23/02/2014	17.52	24/02/2014	07.00	Over Voltage
Lonikand- Koyna Stage IV	23/02/2014	22.00	24/02/2014	07.05	Over Voltage.
Karad - Kolhapur - II	24/02/2014	16.10		Continued.	Over Voltage
Karad-Jaigad I	24/02/2014	16.52		Continued.	Over Voltage
Bhusawal- Aurangabad	24/02/2014	17.50		Continued.	Over Voltage
Lonikand- Koyna Stage IV	24/02/2014	21.20		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Feb/2014

Position as on 6.30 Hrs of 25/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV					Outage Type HAND TRIPPED
Chikhali - Jalna - II	10/02/2014	19.10		Continued.	To avoid O/L Paras-Chikhali line
Voltage Level : 400KV					Outage Type TRIPPED
400/220KV 500MVA ICT-III at Dhule	24/02/2014	19.12	24/02/2014	22.51	Tripped on NDR
Voltage Level : 220KV					Outage Type TRIPPED
Talange - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Khaperkheda-Purti	23/02/2014	15.46		Continued.	3Normal Towers Bend Near Tatol Due to Stormy Weather.
K'Kheda-Butobori III	23/02/2014	15.46		Continued.	3Normal Towers Bend Near Tatol Due to Stormy Weather.
Kanhan - Bhandara - I	23/02/2014	16.21	24/02/2014	11.05	Dist.Prot.Z-I.
Voltage Level : 132KV					Outage Type TRIPPED
Kalmeshwar - Saoner - I	23/02/2014	15.46	24/02/2014	17.21	Dist.Prot.Z-I.
Kanhan - Mouda	23/02/2014	16.35		Continued.	Stormy Weather 1Tower bend near Tarsa Village.
Bhandara-Mouda	23/02/2014	16.35		Continued.	Stormy Weather 1Tower bend near Tarsa Village.
Nanded - Vishnupuri - II	24/02/2014	11.16	24/02/2014	12.40	Distance protection
Nandurbar - Visarwadi	24/02/2014	18.05	24/02/2014	23.45	Distance Protection
Chalisgaon - Kannad	24/02/2014	21.03	24/02/2014	21.12	FTR Relay operated

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 25/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	60
Unit 5	200	0	BHTGR/VEER	21	5
Unit 6	210	150	BHIRA T.R.	80	40
Unit 7	210	150	RNGR+BHTSA	20	15
	620	300	BHANDARDRA	45	30
Bhusawal			ELDARY	23	
Unit 2	210	0	SMLHY_PTN	12	11
Unit 3	210	0	GHATGHAR	250	
Unit 4	500	0		611	179
Unit 5	500	344	Wind		
	1420	344	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	160	Kale	0	
Unit 5	210	145	Satara	0	
Unit 6	250	190	Shirala	0	
Unit 7	250	190	K Mahankal	0	
	1130	685	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	140	Dondaicha	0	
Unit 2	210	150	Sakri	0	
Unit 3	210	190	Nandurbar	0	
Unit 4	210	0	Khandke	0	
Unit 5	500	400	Khaparale	0	
Unit 6	500	400		0	
Unit 7	500	350	CPP		
	2340	1630	JSW_JAIGAD	1200	825
Paras			WARDHA	405	95
Unit 3	250	250	Adani	1980	1234
Unit 4	250	250	Other_CPPs	300	465
	500	500		3885	2619
Khaparkheda			SOLAR		
Unit 1	210	180	Total	0	
Unit 2	210	180		0	
Unit 3	210	140	Tata		
Unit 4	210	190	Trombay 4	150	0
Unit 5	500	500	Trombay 5	500	500
	1340	1190	Trombay 6	500	0
Nasik			Trombay 7A	120	120
Unit 3	210	190	Trombay 7B	60	60
Unit 4	210	190	Trombay 8	250	0
Unit 5	210	190	TATA Hydro	444	447
	630	570		2024	1127
Uran			REL		
All Units	852	160	1&2	500	500
	852	160		500	500
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	5120
	53			3455	5120
Koyna					
Stage 1-2	600	450			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1020			
Hydro					
KDPH	40	18			
VTRNA	60	0			