



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Feb/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	132.711	2569.664	1) Gujrat	2.012	108.643
2) Hydro	22.076	375.363	2) Madhya Pradesh	17.914	354.406
3) Gas	7.651	136.677	3) Chattisgarh	9.130	186.630
Total MSGENCO	162.438	3081.704	4) Maharashtra Net	89.856	1798.590
B) 1) JSW JAIGAD	19.347	400.456	(Incl. 765kV Solapur-Raichur)	-0.610	-11.786
2) WPCL	2.408	57.942	5) Goa	-6.184	-118.801
3) ADANI	14.610	630.330	6) TAPS 1&2 Injection	7.527	146.993
4) Other CPP / IPP	19.697	379.675	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.695	124.224	8) Pench (Excess)	-0.128	-8.811
6) PENCH (MS)	0.128	8.863			
7) SOLAR	0.633	22.342	# Total Cent. Sector	120.127	2467.650
C) 1) TPCL Thermal	14.747	310.713	F) Other Exchanges		
2) TPCL Hydro	4.678	78.833	1) With TPCL (Excess)	-19.435	-355.544
TOTAL TPCL	19.425	389.546	G) Bilateral Power *		
3) REL Thermal	12.001	246.319	1) MSEDCL Bilateral	7.851	308.237
D) STATE			Include PX	0.000	-3.623
1) Thermal (A1+C1+C3)	159.459	3126.696	2) MUMBAI Bilateral	10.950	296.669
2) Hydro (A2+B6+C2)	26.882	463.059	Include PX	3.917	99.716
3) Gas (A3)	7.651	136.677	3) MUMBAI Schedule	10.950	302.188
4) Wind (B5)	8.695	124.224	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	56.062	852.683	1) MSEDCL	328.648	6817.642
6) SOLAR (B7)	0.633	22.342	2) TPCL	32.874	640.276
TOTAL STATE	259.382	4725.681	3) REL	17.988	351.086
			TOTAL STATE	379.510	7809.004

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	6049	5608	4938
MSGENCO Hydro	2110	929	134
MSGENCO Gas	316	310	323
MSGENCO Total Generation	8475	6847	5395
Central Sector Receipt	5237	5085	5111
WIND	240	569	208
CPP / IPP	2402	2385	2235
SOLAR	112	39	0
Exchange with Mumbai	-1007	-917	-534
MSEDCL DEMAND MET	15459	14028	12415
Load Shedding	835	503	14
MSEDCL DEMAND	16294	14531	12429
TPCL GENERATION	1158	1046	497
R-INFRA GENERATION	522	522	393
TPCL+R-INFRA DEMAND	2687	2485	1424
STATE DEMAND MET	18146	16513	13839
STATE DEMAND	18981	17016	13853
Frequency (Hz)	49.99	50.04	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 17.57 Hrs	49.68 Hz at 04.49 Hrs	50.01	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 21/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.82	46.24	152	0	0
Unit 6	0.00	19.76	0	0	0
Unit 7	3.82	74.20	170	140	170
Total	5.64	140.20			170
Bhusawal					
Unit 2	3.08	71.68	135	125	140
Unit 3	3.42	78.34	155	125	150
Unit 4	9.08	191.38	495	310	500
Unit 5	7.40	141.06	345	285	344
Total	22.98	482.45			1134
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.94	60.06	175	155	165
Unit 5	3.83	80.43	169	155	158
Unit 6	4.93	106.50	250	189	197
Unit 7	4.90	103.47	250	187	190
Total	17.59	350.47			710
Chandrapur					
Unit 1	3.28	68.13	140	130	140
Unit 2	0.00	0.00	0	0	0
Unit 3	4.39	89.20	190	170	180
Unit 4	4.79	96.90	206	173	210
Unit 5	6.32	14.76	410	0	300
Unit 6	9.71	178.71	435	360	380
Unit 7	8.82	171.45	415	311	380
Total	37.31	619.16			1590
Paras					
Unit 3	5.29	109.18	245	148	210
Unit 4	5.67	99.24	250	216	250
Total	10.96	208.43			460
Khaparkheda					
Unit 1	3.56	84.90	160	125	140
Unit 2	3.60	76.26	175	130	140
Unit 3	4.00	91.08	196	152	150
Unit 4	3.90	90.35	188	151	150
Unit 5	10.11	218.20	500	345	500
Total	25.17	560.80			1080
Nasik					
Unit 3	4.30	47.88	190	165	190
Unit 4	4.42	78.56	195	168	190
Unit 5	4.34	81.72	195	166	190
Total	13.06	208.15			570
Uran					
All Units	7.65	136.68	326	307	320
Total	7.65	136.68			320
PENCH (MS)					
Pench (MS)	0.13	8.86	29	0	
Total	0.13	8.86			
Koyna					
Stage 1-2	4.20	76.58	410	40	450
Stage 4	9.96	148.82	1120	0	250
Stage 3	3.15	48.31	320	0	320
Kovna 12&4 Total	14.16	225.40			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.30	273.71			1020
Hydro					
KDPH	0.00	11.43	0	0	19
VTRNA	0.00	0.00	0	0	
TILLARI	0.40	8.40	64	0	63
BHTGR/VEER	0.03	1.19	2	1	2
BHIRA T.R.	0.24	2.36	40	0	41
RNGR+BHTSA	0.35	7.25	15	14	15
BHANDARDRA	0.83	2.40	35	34	30
ELDARY	0.00	5.34	0	0	
SMLHY PTN	1.04	21.32	51	40	27
GHATGHAR	1.88	41.96	250	0	
Total	4.77	101.65			197
Wind					
MalharPeth	0.27	4.43			
Vankuswadi	0.53	8.13			
ATIT	0.06	1.34			
Kale	0.18	2.82			
Satara	2.15	34.52			
Shirala	0.25	3.26			
K Mahankal	0.01	0.80			
Supa	0.09	1.92			
Vita	0.92	18.42			
Dondaicha	3.02	32.52			
Sakri	0.35	4.59			
Nandurbar	0.35	3.02			
Khandke	0.21	4.22			
Khaparale	0.29	4.22			
Total	8.70	124.22			
CPP					
JSW JAIGAD	19.35	400.46	884	742	784
WARDHA	2.41	57.94	103	99	95
Adani	14.61	630.33	620	600	617
Other CPPs	19.70	379.68			465
Total	56.06	1468.40			1961
SOLAR					
Total	0.63	22.34			
Total	0.63	22.34			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.32	217.43	502	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.81	59.49	127	114	120
Trombay 7B	1.62	33.79	71	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.68	78.83	459	0	447
Total	19.42	389.55			1127
REL					
1&2	12.00	246.32	524	393	500
Total	12.00	246.32			500
Cent Sect					
Share					5097
Total					5097
MS PG CL	Thermal	132.71	2569.66		5714
	Thml+Gas	140.36	2706.34		6034
	Hydro	22.08	375.36		1217
	Total	162.44	3081.70		7251
State Total		259.38	4725.68		15936

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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 SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5057	129	322	5508	352	2263	0	4716	5070	-312	-624	12569	4	12573	1643	14216	49.98
2	4981	129	323	5433	296	2231	0	4686	5115	-273	-553	12522	14	12536	1519	14055	49.96
3	4930	129	325	5384	235	2258	0	4711	5082	-254	-562	12397	14	12411	1456	13867	49.93
4	4938	134	323	5395	208	2235	0	4686	5111	-236	-534	12415	14	12429	1424	13853	49.94
5	5161	154	323	5638	172	2261	0	4703	5070	-248	-485	12656	54	12710	1425	14135	49.88
6	5331	406	325	6062	146	2259	0	4868	5511	-273	-540	13438	380	13818	1564	15382	50.00
7	5440	953	326	6719	139	2289	0	4884	5111	-288	-553	13705	869	14574	1754	16328	49.93
8	5517	1759	321	7597	119	2384	6	4876	5048	-281	-630	14524	1051	15575	1924	17499	49.98
9	5688	2157	320	8165	133	2485	31	4974	4693	-380	-709	14798	923	15721	2157	17878	49.98
10	5931	2261	315	8507	164	2439	54	5095	5253	-496	-798	15619	642	16261	2416	18677	50.01
11	6003	2175	311	8489	233	2410	85	5281	5060	-679	-932	15345	676	16021	2608	18629	49.91
12	6049	2110	316	8475	240	2402	112	5305	5237	-702	-1007	15459	835	16294	2687	18981	49.99
13	5842	1673	315	7830	344	2391	82	5275	5416	-673	-1030	15033	966	15999	2679	18678	50.07
14	5723	1348	315	7386	358	2373	80	5184	5195	-581	-953	14439	845	15284	2485	17769	50.09
15	5668	1543	313	7524	448	2373	79	5160	5046	-558	-972	14498	649	15147	2472	17619	50.05
16	5672	1583	307	7562	468	2368	55	5153	5029	-556	-926	14569	547	15116	2480	17596	50.04
17	5608	929	310	6847	569	2385	39	5152	5085	-558	-917	14028	503	14531	2485	17016	50.04
18	5616	229	315	6160	780	2381	9	4997	4335	-556	-1052	12630	212	12842	2454	15296	50.14
19	5435	298	314	6047	714	2295	1	5061	5021	-570	-1123	12958	89	13047	2440	15487	49.97
20	5609	868	320	6797	744	2334	0	4693	4954	-596	-885	13971	92	14063	2497	16560	50.01
21	5747	540	321	6608	609	2399	0	4596	4918	-585	-881	13682	68	13750	2337	16087	50.08
22	5684	163	323	6170	420	2332	0	4495	4727	-485	-1017	12651	46	12697	2166	14863	50.15
23	5551	273	323	6147	418	2278	0	4380	4659	-414	-979	12523	36	12559	1996	14555	50.05
24	5530	133	325	5988	386	2237	0	4293	4379	-397	-773	12217	19	12236	1793	14029	50.10
MUs	132.71	22.08	7.65	162.44	8.70	56.06	0.63	117.22	120.12	-10.95	-19.44	328.65	9.55	338.19	50.86	389.06	50.01

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 21/Feb/2014

Position as on 6.30 Hrs of 22/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	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	AOH	
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.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
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.	Asp Prob.	
Koradi Unit 5	200	14/02/2014	01.53	21/02/2014	8.32	I D Fan.	
CPP Adani U1	660	15/02/2014	20.59		Continued.	Turbine Problem.	
CPP Adani U-2	660	17/02/2014	11.25	22/02/2014	1.52	Boiler Tube Leakage	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Koradi Unit 6	210	19/02/2014	23.55		Continued.	Electrical Board Earth Fault.	
Chandrapur Unit 5	500	20/02/2014	20.50	21/02/2014	03.56	Generator Cold Gas Temp High	
Bhusawal Unit 2	210	22/02/2014	3.01		Continued.	PA fan temp.high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Feb/2014

Position as on 6.30 Hrs of 22/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur - II	19/02/2014	10.01		Continued.	For Attending SF6 Leakage @ Tarapur End.(4 Days)
Akola - Aurangabad - I	21/02/2014	11.33	21/02/2014	12.01	discharge the line reactor at akola end for bushing dga oil sampling
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	20/02/2014	16.40	21/02/2014	8.45	Over Voltage.
A'bad-Talegaon PG-1	21/02/2014	11.17		Continued.	over voltage
Kolhapur - Mapusa - I	21/02/2014	17.10		Continued.	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Talegaon PG - Aurangabad - II	14/02/2014	07.50	21/02/2014	22.37	Stringing Work.
400/220KV 315 MVA ICT-I @ Talangade	21/02/2014	14.06	21/02/2014	15.12	alignment & servicing of 220kv b bus isolator of ict-1
400/220KV 500MVA ICT-II at Lonikand-II	21/02/2014	16.40	21/02/2014	Continued.	attend y-ph lv ct oil leakage
400/220 KV 315 MVA ICT-II @ Nagothane.	21/02/2014	9.07	21/02/2014	21.45	bay.maint & testing work
315 mva ict-1@deepnagar	21/02/2014	9.37	21/02/2014	21.19	sfra tandelta & rm work
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 STRENGTHENING WORK
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Khaparkheda-Kawlewada-II	21/02/2014	09.12	21/02/2014	18.58	E/W Replacement work.
Raymond-Washala	21/02/2014	10.03	21/02/2014	17.05	tandelta maint.work & hotspot
Bhugaon-Wardha	21/02/2014	10.04	21/02/2014	14.30	Capacitance and Tan Delta Measurement.
220/132KV 100MVA ICT-I at Bambhori	21/02/2014	10.17	21/02/2014	13.09	Routine Maintenance work.
ONGC-JNPT	21/02/2014	11.20	21/02/2014	18.45	iso. replacement work
Badnera - Akola - I	21/02/2014	11.52	21/02/2014	13.56	For Attending Hot Spot On Line side insulator.
Kalwa - Borivali	21/02/2014	17.27	21/02/2014	18.38	taken on tbc for tan delta
220/132KV, 200MVA ICT-1@Boiser	21/02/2014	8.20	21/02/2014	13.15	tan delta of bushing & winding capacitance
Mumewadi-Mudshingi	21/02/2014	8.40	21/02/2014	17.15	replacement of insu. string
Bhusawal - Chalisgaon - II	21/02/2014	9.01		Continued.	restringing work
Pedambe - Oni	21/02/2014	9.30	21/02/2014	18.25	cleaning of iso
Kolshet - Kamba	21/02/2014	9.53	21/02/2014	16.29	insu. replacement
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Purna-Basmat	21/02/2014	09.50	21/02/2014	17.58	For Fixing of Bird Guard.
Boiser - Boiser MIDC - II	21/02/2014	11.15	21/02/2014	14.25	micom p441 checking & testing work
Beed- Raimoha	21/02/2014	11.25	21/02/2014	12.50	Tan Delta Of CTS.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Feb/2014

Position as on 6.30 Hrs of 22/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Virur-Ashti	21/02/2014	13.45	21/02/2014	18.20	For Gantry Erection Work.
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	20/02/2014	16.37	21/02/2014	7.44	Over Voltage.
Bhusawal- Aurangabad	20/02/2014	17.36	21/02/2014	8.12	Over Voltage.
Lonikand- Koyna Stage IV	20/02/2014	21.39	21/02/2014	7.39	Over Voltage.
Karad-Jaigad I	21/02/2014	16.02		Continued.	over voltage
Karad - Kolhapur - II	21/02/2014	16.40		Continued.	over voltage
Bhusawal- Aurangabad	21/02/2014	17.37		Continued.	over voltage
Lonikand- Koyna Stage IV	21/02/2014	21.38		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/02/2014	19.10		Continued.	To avoid O/L Paras-Chikhali line
Babaleshwar - Ranjangaon	21/02/2014	17.55		Continued.	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	0
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	484
Unit 5	500	344
	1420	978
Parli		
Unit 3	210	0
Unit 4	210	152
Unit 5	210	155
Unit 6	250	186
Unit 7	250	190
	1130	683
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	350
Unit 6	500	400
Unit 7	500	350
	2340	1640
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	172
Unit 2	210	166
Unit 3	210	164
Unit 4	210	161
Unit 5	500	389
	1340	1052
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	320
	852	320
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	320
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	2
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	25
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	172
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	810
WARDHA	405	100
Adani	1980	1234
Other CPPs	300	465
	3885	2609
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	5305
	3455	5305