



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Feb/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.955	2307.261	1) Gujrat	3.026	105.361
2) Hydro	26.263	328.632	2) Madhya Pradesh	15.862	319.189
3) Gas	7.541	121.401	3) Chattisgarh	9.190	168.140
Total MSGENCO	158.759	2757.294	4) Maharashtra Net	87.193	1622.149
B) 1) JSW JAIGAD	19.742	361.466	(Incl. 765kV Solapur-Raichur)	-0.980	-10.264
2) WPCL	2.285	53.213	5) Goa	-6.109	-106.354
3) ADANI	14.260	601.040	6) TAPS 1&2 Injection	7.551	131.930
4) Other CPP / IPP	23.598	336.950	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.137	110.327	8) Pench (Excess)	-0.648	-8.169
6) PENCH (MS)	0.648	8.221	# Total Cent. Sector	116.065	2232.246
7) SOLAR	1.162	20.772	F) Other Exchanges		
C) 1) TPCL Thermal	15.135	279.971	1) With TPCL (Excess)	-16.689	-319.361
2) TPCL Hydro	4.464	68.797	G) Bilateral Power *		
TOTAL TPCL	19.599	348.768	1) MSEDCL Bilateral	15.588	285.760
3) REL Thermal	11.926	221.755	Include PX	-0.212	-2.720
D) STATE			2) MUMBAI Bilateral	15.835	269.745
1) Thermal (A1+C1+C3)	152.016	2808.987	Include PX	2.487	93.191
2) Hydro (A2+B6+C2)	31.375	405.650	3) MUMBAI Schedule	15.835	275.265
3) Gas (A3)	7.541	121.401	H) ENERGY CATERED (MUs)		
4) Wind (B5)	3.137	110.327	1) MSEDCL	322.967	6162.168
5) CPP/IPP (B1+B2+B3+B4)	59.885	765.889	2) TPCL	31.148	574.437
6) SOLAR (B7)	1.162	20.772	3) REL	17.054	315.398
TOTAL STATE	255.116	4233.026	TOTAL STATE	371.169	7052.003

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5556	5381	4929
MSGENCO Hydro	2287	1675	136
MSGENCO Gas	309	289	325
MSGENCO Total Generation	8152	7345	5390
Central Sector Receipt	5373	4849	4249
WIND	71	26	199
CPP / IPP	2505	2624	2341
SOLAR	169	66	0
Exchange with Mumbai	-815	-821	-418
MSEDCL DEMAND MET	15503	14132	11761
Load Shedding	1655	1401	17
MSEDCL DEMAND	17158	15533	11778
TPCL GENERATION	1140	1027	495
R-INFRA GENERATION	522	520	404
TPCL+R-INFRA DEMAND	2477	2368	1317
STATE DEMAND MET	17980	16500	13078
STATE DEMAND	19635	17901	13095
Frequency (Hz)	50.02	49.97	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 17.56 Hrs	49.64 Hz at 09.15 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 19/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	44.42	0	0	0
Unit 6	4.31	19.76	190	163	150
Unit 7	4.07	66.30	186	150	165
Total	8.38	130.48			315
Bhusawal					
Unit 2	3.26	65.38	140	130	145
Unit 3	3.52	71.56	160	135	160
Unit 4	8.02	173.22	480	290	500
Unit 5	7.60	126.05	390	280	290
Total	22.40	436.21			1095
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.08	52.16	186	152	155
Unit 5	3.96	72.69	180	155	160
Unit 6	4.62	96.33	250	0	184
Unit 7	5.23	93.49	250	187	190
Total	17.89	314.67			689
Chandrapur					
Unit 1	3.06	61.86	135	114	133
Unit 2	0.00	0.00	0	0	0
Unit 3	4.33	80.39	193	165	167
Unit 4	4.48	87.28	205	155	201
Unit 5	2.64	2.64	260	0	0
Unit 6	9.54	159.38	434	360	420
Unit 7	7.37	154.53	375	278	310
Total	31.42	546.08			1231
Paras					
Unit 3	5.26	99.12	241	195	230
Unit 4	5.47	88.18	250	181	230
Total	10.73	187.30			460
Khaparkheda					
Unit 1	3.46	77.54	180	125	180
Unit 2	3.52	69.21	180	125	180
Unit 3	3.90	82.91	198	140	195
Unit 4	3.74	82.50	182	142	190
Unit 5	8.14	198.43	475	0	500
Total	22.76	510.58			1245
Nasik					
Unit 3	2.61	39.28	190	0	190
Unit 4	4.39	69.65	196	170	190
Unit 5	4.37	73.02	197	169	190
Total	11.37	181.95			570
Uran					
All Units	7.54	121.40	330	281	320
Total	7.54	121.40			320
PENCH (MS)					
Pench (MS)	0.65	8.22	49	0	
Total	0.65	8.22			
Koyna					
Stage 1-2	5.08	66.92	455	35	450
Stage 4	12.16	127.29	1120	0	250
Stage 3	4.06	41.87	320	0	320
Kovna 12&4 Total	17.24	194.21			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	21.30	236.09			1020
Hydro					
KDPH	0.44	11.21	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.42	7.59	63	0	65
BHTGR/VEER	0.05	1.12	3	2	5
BHIRA T.R.	0.33	1.90	41	0	41
RNGR+BHTSA	0.32	6.54	14	13	15
BHANDARDRA	0.60	0.86	26	25	0
ELDARY	0.00	5.34	0	0	
SMLHY PTN	1.08	19.23	53	42	55
GHATGHAR	1.72	38.75	250	0	
Total	4.97	92.54			200
Wind					
MalharPeth	0.13	3.97			
Vankuswadi	0.23	7.05			
ATIT	0.02	1.21			
Kale	0.11	2.47			
Satara	0.99	30.46			
Shirala	0.14	2.76			
K Mahankal	0.01	0.76			
Supa	0.06	1.71			
Vita	0.68	16.62			
Dondaicha	0.51	28.86			
Sakri	0.03	4.18			
Nandurbar	0.05	2.60			
Khandke	0.11	3.95			
Khaparale	0.07	3.72			
Total	3.14	110.33			
CPP					
JSW JAIGAD	19.74	361.47	902	764	821
WARDHA	2.28	53.21	97	92	95
Adani	14.26	601.04	620	550	617
Other CPPs	23.60	336.95			465
Total	59.88	1352.67			1998
SOLAR					
Total	1.16	20.77			
Total	1.16	20.77			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.66	195.64	503	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.84	53.80	128	114	120
Trombay 7B	1.63	30.53	71	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.46	68.80	448	0	447
Total	19.60	348.77			1127
REL					
1&2	11.93	221.76	526	403	500
Total	11.93	221.76			500
Cent Sect					
Share					5129
Total					5129
MS PG CL	Thermal	124.96	2307.26		5605
	Thml+Gas	132.50	2428.66		5925
	Hydro	26.26	328.63		1220
	Total	158.76	2757.29		7145
State Total		255.12	4233.03		15899

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4938	246	323	5507	211	2329	0	4271	4541	-504	-589	11999	7	12006	1513	13519	50.02
2	4908	306	324	5538	172	2352	0	4182	4377	-450	-483	11956	17	11973	1383	13356	50.02
3	4929	136	325	5390	199	2341	0	4265	4249	-425	-418	11761	17	11778	1317	13095	50.04
4	4922	141	327	5390	211	2361	0	4315	4800	-395	-383	12379	17	12396	1285	13681	50.04
5	4917	136	329	5382	205	2330	0	4358	4532	-414	-408	12041	17	12058	1307	13365	49.99
6	5018	256	321	5595	216	2341	0	4613	4827	-451	-457	12549	127	12676	1428	14104	49.98
7	5123	446	330	5899	272	2393	0	4630	4837	-504	-433	13017	508	13525	1583	15108	49.90
8	5147	1451	328	6926	232	2439	17	4485	4701	-535	-368	13994	1082	15076	1730	16806	49.93
9	5159	2080	322	7561	215	2537	63	4421	5123	-656	-506	15040	1267	16307	1973	18280	49.94
10	5372	2281	323	7976	186	2555	114	4538	5218	-739	-620	15476	1206	16682	2263	18945	49.91
11	5503	2268	312	8083	142	2491	132	4824	5159	-876	-830	15224	1501	16725	2463	19188	49.97
12	5556	2287	309	8152	71	2505	169	4842	5373	-898	-815	15503	1655	17158	2477	19635	50.02
13	5284	2256	305	7845	44	2543	157	4837	5497	-852	-824	15309	1571	16880	2472	19352	50.04
14	5257	2245	295	7797	56	2599	141	4794	5040	-794	-845	14835	1680	16515	2381	18896	50.03
15	5300	2024	281	7605	46	2595	172	4780	4731	-778	-845	14350	1822	16172	2375	18547	50.06
16	5305	1901	288	7494	40	2633	103	4784	4873	-776	-819	14370	1635	16005	2370	18375	50.00
17	5381	1675	289	7345	26	2624	66	4749	4849	-776	-821	14132	1401	15533	2368	17901	49.97
18	5417	895	302	6614	47	2618	26	4702	4449	-783	-1058	12739	1182	13921	2371	16292	50.07
19	5411	727	310	6448	63	2610	2	4733	4766	-826	-993	12934	292	13226	2373	15599	49.90
20	5355	1282	315	6952	84	2594	0	4814	4961	-802	-828	13786	188	13974	2437	16411	50.00
21	5424	715	317	6456	121	2605	0	4961	4974	-784	-893	13266	107	13373	2340	15713	50.09
22	5176	149	321	5646	109	2601	0	4616	4911	-706	-920	12347	59	12406	2172	14578	50.09
23	5122	185	323	5630	93	2462	0	4446	4641	-567	-850	11976	37	12013	2022	14035	49.99
24	5030	175	322	5527	76	2427	0	4521	4636	-545	-683	11983	23	12006	1811	13817	50.05
MUs	124.95	26.26	7.54	158.76	3.14	59.88	1.16	110.48	116.06	-15.84	-16.69	322.97	17.42	340.38	48.21	388.60	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 19/Feb/2014

Position as on 6.30 Hrs of 20/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 5	500	14/07/2013	00.01	19/02/2014	08.50	Condenser replacement work.	
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.	
Nasik Unit 3	210	12/02/2014	18.50	19/02/2014	01.00	UAT Tripped.	
Koradi Unit 5	200	14/02/2014	01.53		Continued.	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		Continued.	Boiler Tube Leakage	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Parli Unit 6	250	18/02/2014	22.06	19/02/2014	01.14	Flame Failure	
Khaparkheda Unit 5	500	19/02/2014	21.03		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Feb/2014

Position as on 6.30 Hrs of 20/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)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali - Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Halkarni-Mahalaxmi	19/02/2014	10.57	19/02/2014	12.43	Tan Delta & Breaker Timing.
Talange - Chikodi	19/02/2014	13.15	19/02/2014	19.05	Insulator Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	18/02/2014	16.12	19/02/2014	09.31	Over Voltage
Dhule-Sar'Sarovar - II	18/02/2014	21.53	19/02/2014	08.15	Over Voltage
Kolhapur - Mapusa - I	19/02/2014	22.01		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	19/02/2014	23.05	20/02/2014	05.43	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Talegaon PG - Aurangabad - II	14/02/2014	07.50		Continued.	Stringing Work.
400/220KV 500 MVA ICT I at Kalwa	19/02/2014	11.29	19/02/2014	12.09	LV Side on TBC for Attending Hot Spot on 29B, R Ph Isolator Earthbond Nutbolt.
Warora-Tiroda-I	19/02/2014	11.33		Continued.	Testing of Metering CT & CVT.
Main Bus - I @ Chandrapur II	19/02/2014	11.39	19/02/2014	19.13	Main Bus-I Jumpering Work of Bay 410.
Bableshtar-Aurangabad	19/02/2014	11.45	19/02/2014	13.00	On Line PID By Holine A/R Auto to Non Auto.
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.
Uran - JNPT	18/02/2014	11.11		Continued.	Fixing of X ARM
Pedambe - Oni	19/02/2014	09.10	19/02/2014	18.00	Cleaning of Disc INSulator String.
Aarey - Goregaon	19/02/2014	09.17	19/02/2014	17.38	A.M.Work.
Kurkumb-Bhigwan	19/02/2014	10.35	19/02/2014	18.50	Replacement of Old Rusted Suspension H/W.
Kalwa-Temghar	19/02/2014	10.44	19/02/2014	18.24	Attending Hot Spot @ R & B Ph.Main Bus to Stub Bus Jumper Replacement.
Mudshingi-Talange - I	19/02/2014	11.19	19/02/2014	18.25	Outage.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Lamboti - Pandharpur	19/02/2014	16.40	19/02/2014	18.32	Breaker Leakage Attending 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)
Warora - Tiroda - II	17/02/2014	21.29	19/02/2014	10.54	Over Voltage
Karad - Kolhapur - II	18/02/2014	16.07	19/02/2014	08.41	Over Voltage
Karad-Jaigad I	18/02/2014	16.32	19/02/2014	08.46	Over Voltage
Bhusawal- Aurangabad	18/02/2014	17.40		Continued.	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Feb/2014

Position as on 6.30 Hrs of 20/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Lonikand- Koyna Stage IV	18/02/2014	22.07	19/02/2014	07.18	Over Voltage
Karad-Jaigad I	19/02/2014	16.38		Continued.	Over Voltage.
Bhusawal- Aurangabad	19/02/2014	18.05		Continued.	Over Voltage.
Karad - Kolhapur - II	19/02/2014	18.08	20/02/2014	06.58	Over Voltage.
Lonikand- Koyna Stage IV	19/02/2014	21.50		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
Aurangabad - Bhenda	19/02/2014	08.50		Continued.	Hand Tripped.
Babaleshwar - Ranjangaon	19/02/2014	09.39		Continued.	Hand Tripped.
Wardha-Badnera	19/02/2014	12.35	19/02/2014	19.53	Hand Tripped for Over Drawal.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Bale-Osmanbad	18/02/2014	14.51		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Kannad	18/02/2014	18.15		Continued.	Distance protection
Solapur - Naldurg	19/02/2014	05.30	19/02/2014	21.30	Distance Protection Operated Zone-I R PH Tripped @ Bale End.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	170
	620	170
Bhusawal		
Unit 2	210	145
Unit 3	210	150
Unit 4	500	350
Unit 5	500	301
	1420	946
Parli		
Unit 3	210	0
Unit 4	210	175
Unit 5	210	170
Unit 6	250	200
Unit 7	250	210
	1130	755
Chandrapur		
Unit 1	210	130
Unit 2	210	0
Unit 3	210	190
Unit 4	210	204
Unit 5	500	225
Unit 6	500	410
Unit 7	500	280
	2340	1439
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	195
Unit 4	210	190
Unit 5	500	400
	1340	1125
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	3
BHIRA T.R.	80	41
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	35
GHATGHAR	250	0
	611	175
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	784
WARDHA	405	95
Adani	1980	617
Other CPPs	300	465
	3885	1961
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	4941
	3455	4941