



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jan/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.393	2566.430	1) Gujrat	8.161	123.799
2) Hydro	15.132	425.651	2) Madhya Pradesh	24.800	423.826
3) Gas	7.721	137.603	3) Chattisgarh	8.830	205.980
Total MSGENCO	134.246	3129.684	4) Maharashtra Net	80.587	1773.418
B) 1) JSW JAIGAD	19.686	431.994	(Incl. 765kV Solapur-Raichur)	-1.685	-4.870
2) WPCL	5.230	94.005	5) Goa	-5.565	-123.443
3) ADANI	38.220	746.940	6) TAPS 1&2 Injection	7.615	167.373
4) Other CPP / IPP	16.380	263.495	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.976	85.998	8) Pench (Excess)	-0.199	-2.158
6) PENCH (MS)	0.199	6.906	# Total Cent. Sector	124.229	2568.795
7) SOLAR	0.738	18.014	F) Other Exchanges		
C) 1) TPCL Thermal	14.604	344.475	1) With TPCL (Excess)	-22.304	-405.798
2) TPCL Hydro	5.272	90.028	G) Bilateral Power *		
TOTAL TPCL	19.876	434.503	1) MSEDCL Bilateral	16.109	381.489
3) REL Thermal	5.833	151.543	Include PX	0.000	-18.787
D) STATE			2) MUMBAI Bilateral	19.791	342.865
1) Thermal (A1+C1+C3)	131.830	3062.448	Include PX	9.401	131.393
2) Hydro (A2+B6+C2)	20.603	522.585	3) MUMBAI Schedule	19.931	363.126
3) Gas (A3)	7.721	137.603	H) ENERGY CATERED (MUs)		
4) Wind (B5)	3.976	85.998	1) MSEDCL	320.600	6940.033
5) CPP/IPP (B1+B2+B3+B4)	79.516	827.714	2) TPCL	31.807	657.301
6) SOLAR (B7)	0.738	18.014	3) REL	16.206	334.521
TOTAL STATE	244.384	4654.362	TOTAL STATE	368.613	7931.855

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	4817	4529	4336
MSGENCO Hydro	1440	1810	141
MSGENCO Gas	320	311	327
MSGENCO Total Generation	6577	6650	4804
Central Sector Receipt	5747	5059	4881
WIND	141	69	245
CPP / IPP	3624	3597	2757
SOLAR	128	36	0
Exchange with Mumbai	-1129	-980	-548
MSEDCL DEMAND MET	15088	14457	12139
Load Shedding	864	719	92
MSEDCL DEMAND	15952	15176	12231
TPCL GENERATION	1115	1141	503
R-INFRA GENERATION	262	261	196
TPCL+R-INFRA DEMAND	2506	2382	1247
STATE DEMAND MET	17594	16839	13386
STATE DEMAND	18458	17558	13478
Frequency (Hz)	50.02	49.84	50.20

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 02.57 Hrs	49.69 Hz at 16.17 Hrs	50.03	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 22/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.50	31.14	135	0	0
Unit 6	3.26	68.55	155	107	120
Unit 7	3.45	74.32	176	120	130
Total	7.22	174.01			250
Bhusawal					
Unit 2	3.22	64.54	140	125	135
Unit 3	3.44	68.54	155	135	150
Unit 4	8.32	187.28	405	250	301
Unit 5	6.72	141.42	320	235	242
Total	21.70	461.76			828
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.99	79.16	186	155	170
Unit 5	3.95	52.01	175	149	160
Unit 6	5.31	100.08	248	186	185
Unit 7	5.20	98.29	247	178	210
Total	18.45	329.54			725
Chandrapur					
Unit 1	0.00	63.88	0	0	0
Unit 2	0.00	45.34	0	0	0
Unit 3	4.17	90.74	185	152	160
Unit 4	4.66	101.80	206	175	200
Unit 5	0.00	0.00	0	0	0
Unit 6	9.64	188.36	435	350	420
Unit 7	0.48	185.60	193	0	0
Total	18.94	675.70			780
Paras					
Unit 3	5.65	101.47	258	200	250
Unit 4	5.52	110.82	258	184	250
Total	11.17	212.29			500
Khaparkheda					
Unit 1	3.78	81.10	180	130	180
Unit 2	3.62	27.84	180	100	160
Unit 3	4.30	86.42	184	171	190
Unit 4	4.42	87.90	200	171	190
Unit 5	5.24	162.04	465	0	450
Total	21.35	445.31			1170
Nasik					
Unit 3	4.18	92.44	190	160	190
Unit 4	4.25	93.49	186	169	190
Unit 5	4.14	81.88	181	168	190
Total	12.57	267.81			570
Uran					
All Units	7.72	137.60	328	311	320
Total	7.72	137.60			320
PENCH (MS)					
Pench (MS)	0.20	6.91	43	0	
Total	0.20	6.91			
Koyna					
Stage 1-2	2.94	99.22	555	40	600
Stage 4	6.27	173.87	995	0	250
Stage 3	1.60	57.42	240	0	320
Kovna 12&4 Total	9.21	273.08			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.82	330.51			1170
Hydro					
KDPH	0.45	9.33	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.42	4.51	64	0	60
BHTGR/VEER	0.06	1.56	3	2	3
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.38	7.02	16	16	15
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.36	3.13	16	15	0
SMLHY PTN	1.12	22.13	54	44	25
GHATGHAR	1.52	42.90	250	0	0
Total	4.32	95.14			121
Wind					
MalharPeth	0.18	3.04			
Vankuswadi	0.33	5.57			
ATIT	0.02	1.31			
Kale	0.09	1.82			
Satara	1.37	21.26			
Shirala	0.08	1.75			
K Mahankal	0.00	0.91			
Supa	0.15	2.07			
Vita	0.97	8.54			
Dondaicha	0.13	24.76			
Sakri	0.01	3.25			
Nandurbar	0.00	2.05			
Khandke	0.47	6.07			
Khaparale	0.18	3.59			
Total	3.98	86.00			
CPP					
JSW JAIGAD	19.69	431.99	899	707	825
WARDHA	5.23	94.00	221	212	250
Adani	38.22	746.94	1820	940	1836
Other CPPs	16.38	263.50			245
Total	79.52	1536.43			3156
SOLAR					
Total	0.74	18.01			
Total	0.74	18.01			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.30	220.94	504	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.71	45.66	122	107	120
Trombay 7B	1.60	29.32	69	65	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	5.27	90.03	470	0	447
Total	19.88	434.50			1127
REL					
1&2	5.83	151.54	262	195	250
Total	5.83	151.54			250
Cent Sect					
Share					5490
Total					5490
MS PG CL	Thermal	111.39	2566.43		4823
	Thml+Gas	119.11	2704.03		5143
	Hydro	15.13	425.65		1291
	Total	134.25	3129.68		6434
State Total		244.38	4654.36		16457

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Jan/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	4479	137	323	4939	210	2515	0	4270	5268	-634	-778	12154	102	12256	1493	13749	50.11
2	4336	137	324	4797	237	2587	0	4134	5143	-574	-655	12109	86	12195	1355	13550	50.11
3	4276	136	325	4737	232	2671	0	4013	5074	-550	-587	12127	92	12219	1285	13504	50.25
4	4336	141	327	4804	245	2757	0	4013	4881	-550	-548	12139	92	12231	1247	13478	50.20
5	4337	141	326	4804	264	2820	0	4177	4833	-550	-559	12162	92	12254	1261	13515	50.07
6	4538	137	326	5001	335	3074	0	4899	4848	-599	-580	12678	197	12875	1407	14282	50.07
7	4609	137	328	5074	375	3286	0	4935	4504	-579	-569	12670	658	13328	1608	14936	49.96
8	4772	252	328	5352	371	3373	9	5083	5548	-753	-722	13931	959	14890	1813	16703	49.91
9	4823	728	324	5875	307	3564	37	4999	5615	-729	-758	14640	850	15490	2076	17566	50.00
10	4855	1394	317	6566	270	3622	80	5242	5410	-901	-1004	14944	609	15553	2351	17904	50.01
11	4863	1386	311	6560	220	3619	121	5513	5610	-1080	-1113	15017	670	15687	2507	18194	49.97
12	4817	1440	320	6577	141	3624	128	5554	5747	-1128	-1129	15088	864	15952	2506	18458	50.02
13	4863	1169	320	6352	69	3635	109	5445	5657	-1089	-1147	14675	944	15619	2496	18115	50.03
14	4956	1155	321	6432	49	3605	75	5233	5507	-973	-1108	14566	923	15489	2357	17846	50.06
15	4932	1359	320	6611	54	3606	60	5131	5389	-943	-1004	14745	815	15560	2369	17929	49.89
16	4739	1756	320	6815	63	3615	72	4994	5270	-926	-957	14905	714	15619	2369	17988	49.91
17	4529	1810	311	6650	69	3597	36	4981	5059	-923	-980	14457	719	15176	2382	17558	49.84
18	4580	639	319	5538	50	3434	11	4671	4950	-896	-1187	12822	860	13682	2348	16030	49.94
19	4595	287	320	5202	39	3483	0	4901	4844	-1052	-1071	12537	590	13127	2399	15526	49.91
20	4648	216	320	5184	55	3469	0	5117	5169	-1090	-1089	12831	718	13549	2427	15976	49.98
21	4708	151	320	5179	71	3414	0	4752	5370	-963	-1267	12769	409	13178	2272	15450	50.09
22	4769	142	321	5232	71	3457	0	4610	4658	-748	-1298	12120	243	12363	2098	14461	50.09
23	4502	141	324	4967	91	3356	0	4643	4956	-870	-1201	12169	159	12328	1899	14227	50.03
24	4531	141	326	4998	88	3333	0	4438	4917	-834	-993	12343	139	12482	1688	14170	50.19
MUs	111.39	15.13	7.72	134.25	3.98	79.52	0.74	115.75	124.23	-19.93	-22.30	320.60	12.50	333.10	48.01	381.12	50.03

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 22/Jan/2014

Position as on 6.30 Hrs of 23/Jan/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		Continued.	Condenser replacement work.	
REL 1	250	04/01/2014	23.38		Continued.	Annual Overhaul	
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.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
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	14/01/2014	00.23		Continued.	Furnace Pressure High	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
Uran Unit 6	108	14/01/2014	12.45		Continued.	Gas Shortage.	
CPP Adani U-3	660	17/01/2014	1.26	22/01/2014	05.04	Bursting B ph bushing og GT	
Koradi Unit 5	200	18/01/2014	01.34	22/01/2014	18.36	ID Fan Problem.	
Chandrapur Unit 1	210	20/01/2014	22:32	23/01/2014	05.29	COAL MILL PROBLEM.	
Chandrapur Unit 7	500	21/01/2014	18.53	22/01/2014	20.46	I D Fan Tripped Due to Heavy Voltage Dip	
Cent_Sect TARAPUR-4	540	22/01/2014	11.51		Continued.	G T Maintenance.	
Khaparkheda Unit 5	500	22/01/2014	16.45		Continued.	Withdrawn Due To BTL.	
Khaparkheda Unit 2	210	23/01/2014	05.31		Continued.	Flame Failure.	
Chandrapur Unit 3	210	23/01/2014	06.38		Continued.	Drum Level Low.	
Chandrapur Unit 1	210	23/01/2014	06.52		Continued.	Low Vaccum.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2014

Position as on 6.30 Hrs of 23/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	22/01/2014	08.54	22/01/2014	20.45	Q.M Work.
Dhule-Sar'Sarovar - I	22/01/2014	22.05	23/01/2014	06.22	Over Voltage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Halkarni-Mahalaxmi	22/01/2014	09.00	22/01/2014	18.07	Insulator Replacement.
Talangde - Chikodi	22/01/2014	13.52	22/01/2014	19.45	Maintance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	21/01/2014	16.31		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	21/01/2014	22.00	22/01/2014	08.46	Over Voltage.
Dabhol - NewKoyna - II	22/01/2014	00.02		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	22/01/2014	00.31	22/01/2014	09.58	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	22/01/2014	09.40	22/01/2014	14.18	Converter Colling T/F Problem.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT-II at Deepnagar.	22/01/2014	09.03	22/01/2014	12.21	To Collect oil Sample For DG Analysis.
400/220KV 315 MVA ICT-II at Korady	22/01/2014	11.05	22/01/2014	15.48	Tan Delta Mesasurment.
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
Kalyani-Baramati Agro	22/01/2014	09.30	22/01/2014	18.47	Insulator Replacement.
Khaparkhedha-Kawlewada-I	22/01/2014	09.36	22/01/2014	18.22	Replacement of Old Earthwire from Loc No. 213 to 302.
Beed-Patoda I	22/01/2014	10.25	22/01/2014	14.54	Quarterly Maintenance Work.
Alephata-Kathapur	22/01/2014	10.35	22/01/2014	11.10	To Control BBLR ICT Loading.
Babaleshwar - Ranjangaon	22/01/2014	11.02	22/01/2014	17.10	To Control BBLR ICT Loading.
Kandalgaon-Bhira	22/01/2014	11.20		Continued.	2 Days Outage At Bhira End & R.M Work.
Pedambe-Mahad	22/01/2014	13.22	22/01/2014	14.31	Distance Protection.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal - Deepnagar - II	03/01/2014	15.47		Continued.	For Change Over.
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Karad-Kolhapur-II	21/01/2014	16.07	22/01/2014	07.37	Over Voltage.
Karad-Jaigad I	21/01/2014	16.37	22/01/2014	07.39	Over Voltage.
Chandrapur-2 - Chandrapur-1	21/01/2014	19.03	22/01/2014	18.24	Due to Y PH. Wave Trap Burnt.
Lonikand- Koyna Stage IV	21/01/2014	21.28	22/01/2014	07.55	Over Voltage.
Karad-Kolhapur-II	22/01/2014	17.08	23/01/2014	07.03	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jan/2014

Position as on 6.30 Hrs of 23/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	22/01/2014	17.50	23/01/2014	06.44	Over Volatge.
Karad-Jaigad I	22/01/2014	21.32	23/01/2014	07.06	Over Voltage.
Lonikand- Koyna Stage IV	22/01/2014	21.57		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Chandrapur-II - Warora - I	21/01/2014	18.53		Continued.	Main Bus-I B/B Prot.Optd. Due to Y Ph.Bkr Pole Burst of 400KV Warora-I.
Aurangabad(M)- Aurangabad PG	21/01/2014	21.58	22/01/2014	06.39	Over Voltage.
Dabhol - Nagothane - I	22/01/2014	03.02	22/01/2014	07.14	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 23/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	130
Unit 7	210	140
	620	390
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	430
Unit 5	500	349
	1420	1069
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	180
Unit 6	250	250
Unit 7	250	250
	1130	860
Chandrapur		
Unit 1	210	50
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	400
Unit 7	500	250
	2340	1100
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	177
Unit 2	210	0
Unit 3	210	172
Unit 4	210	200
Unit 5	500	0
	1340	549
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	15
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	25
GHATGHAR	250	
	611	121
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	825
WARDHA	405	220
Adani	1980	1851
Other CPPs	300	245
	3885	3141
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	250
	500	250
Cent Sect		
Share	3455	5000
	3455	5000