



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jan/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.279	2455.037	1) Gujrat	4.223	115.638
2) Hydro	21.212	410.519	2) Madhya Pradesh	21.353	399.026
3) Gas	7.480	129.882	3) Chattisgarh	9.780	197.150
Total MSGENCO	139.971	2995.438	4) Maharashtra Net	87.098	1692.831
B) 1) JSW JAIGAD	20.108	412.308	(Incl. 765kV Solapur-Raichur)	0.730	-3.185
2) WPCL	5.293	88.775	5) Goa	-5.614	-117.878
3) ADANI	26.930	708.720	6) TAPS 1&2 Injection	7.595	159.758
4) Other CPP / IPP	15.518	247.115	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.395	82.022	8) Pench (Excess)	-0.022	-1.959
6) PENCH (MS)	0.022	6.707	# Total Cent. Sector	124.413	2444.566
7) SOLAR	0.535	17.276	F) Other Exchanges		
C) 1) TPCL Thermal	15.268	329.871	1) With TPCL (Excess)	-20.960	-383.494
2) TPCL Hydro	5.148	84.756	G) Bilateral Power *		
TOTAL TPCL	20.416	414.627	1) MSEDCL Bilateral	16.039	365.381
3) REL Thermal	6.010	145.710	Include PX	0.000	-18.787
D) STATE			2) MUMBAI Bilateral	17.770	323.074
1) Thermal (A1+C1+C3)	132.557	2930.618	Include PX	7.282	121.992
2) Hydro (A2+B6+C2)	26.382	501.982	3) MUMBAI Schedule	19.212	343.195
3) Gas (A3)	7.480	129.882	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.395	82.022	1) MSEDCL	318.225	6619.433
5) CPP/IPP (B1+B2+B3+B4)	67.849	775.128	2) TPCL	31.614	625.494
6) SOLAR (B7)	0.535	17.276	3) REL	15.770	318.315
TOTAL STATE	241.198	4436.908	TOTAL STATE	365.609	7563.242

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4639	4683	4526
MSGENCO Hydro	2305	1579	136
MSGENCO Gas	325	317	278
MSGENCO Total Generation	7269	6579	4940
Central Sector Receipt	5730	5194	4603
WIND	442	89	388
CPP / IPP	3069	3037	2618
SOLAR	51	20	0
Exchange with Mumbai	-1047	-886	-582
MSEDCL DEMAND MET	15527	14033	11967
Load Shedding	713	563	42
MSEDCL DEMAND	16240	14596	12009
TPCL GENERATION	1020	1153	499
R-INFRA GENERATION	261	262	200
TPCL+R-INFRA DEMAND	2328	2301	1281
STATE DEMAND MET	17855	16334	13248
STATE DEMAND	18568	16897	13290
Frequency (Hz)	50.18	49.90	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 09.56 Hrs	49.64 Hz at 06.17 Hrs	50.02	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/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	30.64	0	0	0
Unit 6	2.91	65.28	150	100	130
Unit 7	3.22	70.87	150	115	155
Total	6.13	166.79			285
Bhusawal					
Unit 2	3.22	61.32	145	130	140
Unit 3	3.38	65.09	150	125	150
Unit 4	3.80	178.96	235	80	194
Unit 5	3.81	134.70	260	80	237
Total	14.20	440.06			721
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.24	75.17	192	148	160
Unit 5	3.30	48.06	180	0	155
Unit 6	5.34	94.77	248	184	190
Unit 7	5.10	93.09	256	140	210
Total	17.98	311.09			715
Chandrapur					
Unit 1	0.00	63.88	0	0	0
Unit 2	0.00	45.34	0	0	0
Unit 3	4.19	86.57	189	156	190
Unit 4	4.66	97.14	204	177	200
Unit 5	0.00	0.00	0	0	0
Unit 6	9.67	178.72	420	365	420
Unit 7	6.76	185.12	395	0	380
Total	25.28	656.76			1190
Paras					
Unit 3	5.72	95.82	250	225	220
Unit 4	4.86	105.30	255	0	220
Total	10.58	201.12			440
Khaparkheda					
Unit 1	4.10	77.33	185	155	180
Unit 2	2.89	24.22	170	0	160
Unit 3	4.34	82.12	184	172	190
Unit 4	4.72	83.49	202	171	190
Unit 5	8.53	156.80	410	250	400
Total	24.58	423.96			1120
Nasik					
Unit 3	4.00	88.26	185	150	190
Unit 4	4.26	89.24	186	170	190
Unit 5	4.26	77.74	184	169	190
Total	12.52	255.24			570
Uran					
All Units	7.48	129.88	326	278	330
Total	7.48	129.88			330
PENCH (MS)					
Pench (MS)	0.02	6.71	13	0	
Total	0.02	6.71			
Koyna					
Stage 1-2	4.57	96.28	490	40	600
Stage 4	8.64	167.59	1117	0	250
Stage 3	2.94	55.82	320	0	320
Kovna 12&4 Total	13.21	263.87			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.15	319.69			1170
Hydro					
KDPH	0.45	8.88	19	18	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	4.09	66	0	66
BHTGR/VEER	0.06	1.50	3	2	3
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.39	6.64	17	16	15
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.35	2.77	15	14	15
SMLHY PTN	1.13	21.01	55	44	10
GHATGHAR	2.31	41.38	250	0	0
Total	5.06	90.83			129
Wind					
MalharPeth	0.26	2.86			
Vankuswadi	0.45	5.24			
ATIT	0.03	1.29			
Kale	0.16	1.73			
Satara	2.12	19.89			
Shirala	0.16	1.67			
K Mahankal	0.00	0.91			
Supa	0.21	1.91			
Vita	2.11	7.57			
Dondaicha	0.00	24.64			
Sakri	0.00	3.24			
Nandurbar	0.01	2.05			
Khandke	0.75	5.60			
Khaparale	0.12	3.41			
Total	6.40	82.02			
CPP					
JSW JAIGAD	20.11	412.31	906	781	850
WARDHA	5.29	88.78	224	217	230
Adani	26.93	708.72	1230	880	1234
Other CPPs	15.52	247.12			245
Total	67.85	1456.92			2559
SOLAR					
Total	0.54	17.28			
Total	0.54	17.28			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.82	210.64	503	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.82	42.95	129	79	120
Trombay 7B	1.63	27.72	72	55	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	5.15	84.76	471	0	447
Total	20.42	414.63			1127
REL					
1&2	6.01	145.71	262	196	250
Total	6.01	145.71			250
Cent Sect					
Share					5217
Total					5217
MS PG CL	Thermal	111.28	2455.04		5041
	Thml+Gas	118.76	2584.92		5371
	Hydro	21.21	410.52		1299
	Total	139.97	2995.44		6670
State Total		241.20	4436.91		15823

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4637	135	278	5050	364	3037	0	4468	4382	-621	-776	12057	84	12141	1483	13624	50.05
2	4677	136	278	5091	406	2722	0	4466	4564	-572	-626	12157	42	12199	1311	13510	50.09
3	4526	136	278	4940	388	2618	0	4498	4603	-550	-582	11967	42	12009	1281	13290	50.10
4	4496	135	280	4911	393	2548	0	4498	5239	-541	-541	12550	42	12592	1247	13839	50.17
5	4600	135	279	5014	432	2600	0	4493	5136	-540	-566	12616	42	12658	1280	13938	50.05
6	4770	135	321	5226	455	2692	0	4876	5131	-596	-599	12905	119	13024	1416	14440	49.99
7	4715	181	324	5220	434	2795	0	4950	5256	-651	-616	13089	577	13666	1625	15291	49.85
8	4602	1185	325	6112	425	2916	11	4975	4947	-715	-703	13708	1025	14733	1811	16544	49.94
9	4589	1764	324	6677	402	3092	21	5173	5323	-731	-825	14697	930	15627	2081	17708	50.08
10	4639	2305	325	7269	442	3069	51	5118	5717	-871	-1047	15514	713	16227	2328	18555	50.18
11	4636	2173	322	7131	425	3052	61	5018	5304	-1055	-1185	14790	759	15549	2465	18014	50.07
12	4538	2216	326	7080	319	3018	75	5099	5209	-1114	-1065	14636	900	15536	2472	18008	49.96
13	4540	1296	319	6155	208	3043	100	5440	5699	-1061	-1044	14161	991	15152	2429	17581	50.02
14	4624	1233	313	6170	89	3031	75	5118	5917	-957	-952	14330	860	15190	2277	17467	50.03
15	4651	1818	320	6789	190	3005	63	4935	5481	-932	-866	14662	649	15311	2287	17598	49.89
16	4681	2058	318	7057	158	3009	47	5196	5524	-904	-871	14924	569	15493	2291	17784	49.91
17	4683	1579	317	6579	89	3037	20	5050	5194	-892	-886	14033	563	14596	2301	16897	49.90
18	4813	519	314	5646	81	3026	11	4739	4858	-729	-962	12660	685	13345	2309	15654	49.98
19	4795	217	317	5329	72	2908	0	5331	5723	-970	-1063	12969	462	13431	2400	15831	49.96
20	4768	488	318	5574	84	2586	0	5329	5572	-999	-1096	12720	598	13318	2417	15735	50.04
21	4622	375	321	5318	126	2508	0	4898	5232	-828	-1183	12001	394	12395	2257	14652	50.00
22	4582	648	320	5550	125	2525	0	4362	4581	-733	-1176	11605	260	11865	2086	13951	50.05
23	4556	201	320	5077	135	2500	0	4535	4717	-853	-928	11501	161	11662	1864	13526	50.02
24	4541	144	323	5008	153	2512	0	4617	5104	-796	-802	11975	140	12115	1668	13783	50.15
MUs	111.28	21.21	7.48	139.97	6.40	67.85	0.54	117.18	124.41	-19.21	-20.96	318.23	11.61	329.83	47.39	377.22	50.02

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/Jan/2014

Position as on 6.30 Hrs of 22/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		Continued.	ID Fan Problem.	
Khaparkheda Unit 2	210	20/01/2014	18.51	21/01/2014	03.19	Generator Protection	
Chandrapur Unit 1	210	20/01/2014	22:32		Continued.	COAL MILL PROBLEM.	
Paras Unit 4	250	21/01/2014	06.24	21/01/2014	09.00	Furance Pressure High.	
Parli Unit 5	210	21/01/2014	10.50	21/01/2014	13.29	Emergency Board Supply Failed.	
Chandrapur Unit 7	500	21/01/2014	18.53		Continued.	I D Fan Tripped Due to Heavy Voltage Dip	

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

Position as on 6.30 Hrs of 22/Jan/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
Halkarni-Mahalaxmi	21/01/2014	10.51	21/01/2014	17.30	Maint. Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	20/01/2014	11.48	21/01/2014	09.40	Over Voltage
Dhule-Sar'Sarovar - II	20/01/2014	22.08	21/01/2014	07.14	Over Voltage
Kolhapur - Mapusa - I	21/01/2014	16.31		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	21/01/2014	22.00		Continued.	Over Voltage.
Dabhol - NewKoyna - II	22/01/2014	00.02		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	22/01/2014	00.31		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha (PG) - Warora - I	21/01/2014	18.53	21/01/2014	19.38	Trip @ Wardha End.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - II Tie Bay	18/01/2014	12.46	21/01/2014	16.09	problem in B-ph pole
400/220 KV,500MVA ICT-II at Deepnagar.	21/01/2014	12.37	21/01/2014	15.38	Taking Oil Samples from 400 KV Tie CT & T/F CT OF ICT-II.
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
Karad-Vita-II	21/01/2014	10.33	21/01/2014	15.34	Maintenance Work.
Tambati-Adlabs	21/01/2014	10.55	21/01/2014	17.46	Replacement of Line Isolator.
Bus Section - II at Harangul	21/01/2014	13.13	21/01/2014	17.30	Attending Hot Spot @ ICT HV Bushing.
Usmanabad-Paranda	21/01/2014	14.12	21/01/2014	17.18	Replacement of Jumper @ Loc.No.-33 R Ph.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Vasai - Padgha	21/01/2014	08.09		Continued.	Stringing Work.
Kolshet-Vasai	21/01/2014	08.10	21/01/2014	17.38	Stringing Work.
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
Bhusawal- Aurangabad	18/01/2014	17.12	21/01/2014	09.28	over voltage
Karad-Kolhapur-II	20/01/2014	16.13	21/01/2014	09.26	Over Voltage
Karad-Jaigad I	20/01/2014	16.17	21/01/2014	08.43	Over Voltage
Lonikand- Koyna Stage IV	20/01/2014	21.49	21/01/2014	08.00	Over Voltage
Karad-Kolhapur-II	21/01/2014	16.07		Continued.	Over Voltage.
Karad-Jaigad I	21/01/2014	16.37		Continued.	Over Voltage.
Chandrapur-2 - Chandrapur-1	21/01/2014	19.03		Continued.	Due to Y PH. Wave Trap Burnt.
Lonikand- Koyna Stage IV	21/01/2014	21.28		Continued.	Over Voltage.

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

Position as on 6.30 Hrs of 22/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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 Withdrawal of Pench Support.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Warora-Chandrapur- II, Ckt II	21/01/2014	18.53	21/01/2014	22.09	Main Bus-I B/B Prot.Optd. Due to Y Ph.Bkr Pole Burst of 400KV Warora-I.
Chandrapur II - Dhariwal - I	21/01/2014	18.53	21/01/2014	22.35	Main Bus-I B/B Prot.Optd. Due to Y Ph.Bkr Pole Burst of 400KV Warora-I.
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.
Chandrapur - Parli - I	21/01/2014	19.03	21/01/2014	22.26	Over Voltage.
Chandrapur - Parli - II	21/01/2014	19.03	21/01/2014	22.39	Over Voltage.
Aurangabad(M)-Aurangabad PG	21/01/2014	21.58	22/01/2014	06.39	Over Voltage.
Dabhol - Nagothane - I	22/01/2014	03.02		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/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	130
	620	250
Bhusawal		
Unit 2	210	135
Unit 3	210	150
Unit 4	500	301
Unit 5	500	242
	1420	828
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	160
Unit 6	250	185
Unit 7	250	210
	1130	725
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	160
Unit 4	210	200
Unit 5	500	0
Unit 6	500	420
Unit 7	500	0
	2340	780
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	450
	1340	1170
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	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	0
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	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	250
Adani	1980	1836
Other CPPs	300	245
	3885	3156
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	5490
	3455	5490