



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Apr/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.670	2747.791	1) Gujrat	3.612	127.076
2) Hydro	32.312	495.474	2) Madhya Pradesh	25.284	540.159
3) Gas	10.505	209.316	3) Chattisgarh	10.520	232.420
Total MSGENCO	162.487	3452.581	4) Maharashtra Net	85.185	1944.080
B) 1) JSW JAIGAD	14.132	313.610	(Incl. 765kV Solapur-Raichur)	-0.359	-37.533
2) WPCL	0.000	4.347	5) Goa	-7.212	-138.081
3) ADANI	36.751	803.711	6) TAPS 1&2 Injection	7.432	163.568
4) Other CPP / IPP	19.810	503.903	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.742	165.795	8) Pench (Excess)	-0.162	-2.715
6) PENCH (MS)	0.162	3.082			
7) SOLAR	0.912	22.086	# Total Cent. Sector	124.659	2866.507
C) 1) TPCL Thermal	20.013	394.462	F) Other Exchanges		
2) TPCL Hydro	4.716	81.860	1) With TPCL (Excess)	-26.164	-515.073
TOTAL TPCL	24.729	476.322	G) Bilateral Power *		
3) REL Thermal	12.463	272.994	1) MSEDCL Bilateral	11.329	361.961
D) STATE			Include PX	-0.306	11.428
1) Thermal (A1+C1+C3)	152.146	3415.247	2) MUMBAI Bilateral	27.562	544.842
2) Hydro (A2+B6+C2)	37.190	580.416	Include PX	4.148	85.817
3) Gas (A3)	10.505	209.316	3) MUMBAI Schedule	27.562	544.842
4) Wind (B5)	4.742	165.795	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	70.693	858.611	1) MSEDCL	337.491	7620.549
6) SOLAR (B7)	0.912	22.086	2) TPCL	40.477	807.920
TOTAL STATE	276.188	5251.471	3) REL	22.876	456.524
			TOTAL STATE	400.844	8884.993

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5249	5026	4938
MSGENCO Hydro	1452	2040	659
MSGENCO Gas	432	421	445
MSGENCO Total Generation	7133	7487	6042
Central Sector Receipt	5968	5880	4059
WIND	66	113	399
CPP / IPP	3164	3045	2720
SOLAR	134	54	0
Exchange with Mumbai	-1341	-1281	-620
MSEDCL DEMAND MET	15124	15298	12600
Load Shedding	799	827	353
MSEDCL DEMAND	15923	16125	12953
TPCL GENERATION	1309	1380	783
R-INFRA GENERATION	523	519	520
TPCL+R-INFRA DEMAND	3173	3180	1923
STATE DEMAND MET	18297	18478	14523
STATE DEMAND	19096	19305	14876
Frequency (Hz)	49.97	49.92	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 16:55 Hrs	49.68 Hz at 01:03 Hrs	49.95	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 22/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.40	0	0	0
Unit 6	3.57	59.54	162	131	152
Unit 7	3.63	78.36	185	130	160
Total	7.20	138.31			312
Bhusawal					
Unit 2	0.00	49.03	0	0	0
Unit 3	3.59	65.81	160	140	150
Unit 4	10.58	172.88	505	380	430
Unit 5	0.70	116.44	195	0	0
Total	14.87	404.15			580
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.69	84.12	160	146	145
Unit 5	0.00	41.45	0	0	0
Unit 6	4.92	101.45	250	180	185
Unit 7	4.93	99.69	250	180	185
Total	13.54	326.71			515
Chandrapur					
Unit 1	3.43	61.93	146	137	150
Unit 2	4.00	78.97	172	160	170
Unit 3	3.34	75.95	163	105	160
Unit 4	0.00	88.96	0	0	0
Unit 5	10.08	229.58	460	375	450
Unit 6	9.47	213.70	410	377	400
Unit 7	9.31	209.25	415	344	410
Total	39.63	958.33			1740
Paras					
Unit 3	4.89	93.28	214	193	200
Unit 4	5.17	90.86	228	187	210
Total	10.06	184.15			410
Khaparkheda					
Unit 1	3.87	83.70	180	140	180
Unit 2	3.66	80.39	175	130	180
Unit 3	0.00	0.80	0	0	0
Unit 4	3.88	99.06	185	142	210
Unit 5	9.50	201.91	460	356	400
Total	20.91	465.86			970
Nasik					
Unit 3	4.39	75.78	190	180	190
Unit 4	4.52	97.62	196	185	190
Unit 5	4.53	96.87	194	184	190
Total	13.45	270.28			570
Uran					
All Units	10.50	209.32	455	421	460
Total	10.50	209.32			460
PENCH (MS)					
Pench (MS)	0.16	3.08	48	0	0
Total	0.16	3.08			0
Koyna					
Stage 1-2	6.86	118.66	560	70	520
Stage 4	16.02	203.88	1125	59	250
Stage 3	5.21	70.64	320	0	320
Kovna 12&4 Total	22.87	322.54			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	28.08	393.18			1090
Hydro					
KDPH	0.52	10.51	29	15	18
VTRNA	1.04	26.62	61	0	61
TILLARI	0.40	8.72	63	0	60
BHTGR/VEER	0.08	1.58	4	3	10
BHIRA T.R.	0.25	4.54	40	0	40
RNGR+BHTSA	0.31	6.64	13	12	10
BHANDARDRA	0.20	3.47	45	0	3
ELDARY	0.35	3.50	15	10	10
SMLHY PTN	1.08	19.61	45	44	0
GHATGHAR	0.00	17.11	0	0	0
Total	4.23	102.29			212
Wind					
MalharPeth	0.16	5.34			
Vankuswadi	0.32	9.36			
ATIT	0.03	1.03			
Kale	0.13	3.64			
Satara	1.79	38.36			
Shirala	0.13	3.92			
K Mahankal	0.03	0.52			
Supa	0.13	1.96			
Vita	1.00	21.45			
Dondaicha	0.62	56.29			
Sakri	0.07	6.14			
Nandurbar	0.05	6.53			
Khandke	0.20	4.94			
Khaparale	0.08	6.32			
Total	4.74	165.80			
CPP					
JSW JAIGAD	14.13	313.61	595	580	550
WARDHA	0.00	4.35	0	0	0
Adani	36.75	803.71	1819	1309	1356
Other CPPs	19.81	503.90			630
Total	70.69	1625.57			2536
SOLAR					
Total	0.91	22.09			
Total	0.91	22.09			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.68	243.53	498	438	500
Trombay 6	3.80	57.32	239	151	500
Trombay 7A	2.89	58.95	124	114	120
Trombay 7B	1.65	34.65	70	67	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.72	81.86	471	0	447
Total	24.73	476.32			1627
REL					
1&2	12.46	272.99	523	516	500
Total	12.46	272.99			500
Cent Sect					
Share					5827
Total					5827
MS PG CL	Thermal	119.67	2747.79		5097
	Thml+Gas	130.18	2957.11		5557
	Hydro	32.31	495.47		1302
	Total	162.49	3452.58		6859
State Total		276.19	5251.47		17349

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Apr/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	4860	1797	445	7102	200	2710	0	5076	5145	-1135	-1040	14117	167	14284	2433	16717	49.93
2	4877	1161	445	6483	368	2636	0	4826	4301	-989	-875	12913	324	13237	2223	15460	49.84
3	4872	1413	445	6730	334	2733	0	4747	4674	-907	-740	13731	337	14068	2085	16153	50.00
4	4909	978	445	6332	350	2689	0	4725	4431	-884	-632	13170	345	13515	1976	15491	49.96
5	4938	659	445	6042	399	2720	0	4725	4059	-885	-620	12600	353	12953	1923	14876	49.91
6	4964	683	445	6092	395	2696	0	4767	4224	-928	-604	12803	514	13317	1949	15266	49.94
7	4957	526	455	5938	385	2662	6	4843	5109	-887	-617	13483	1004	14487	1977	16464	50.00
8	4950	552	450	5952	270	2695	27	4847	5173	-896	-754	13363	1027	14390	2114	16504	50.02
9	4987	955	445	6387	188	2769	61	4948	5084	-989	-992	13497	920	14417	2405	16822	49.98
10	5056	1862	440	7358	140	2803	105	5597	5415	-1142	-1250	14571	618	15189	2775	17964	49.98
11	5226	1538	431	7195	88	3038	120	5719	5861	-1334	-1374	14928	629	15557	3067	18624	49.90
12	5249	1452	432	7133	66	3164	134	5755	5968	-1370	-1341	15124	799	15923	3173	19096	49.97
13	5218	1568	424	7210	38	3120	140	5447	5749	-1343	-1374	14883	1005	15888	3183	19071	49.98
14	5135	1828	421	7384	61	3060	133	5468	5490	-1282	-1325	14803	879	15682	3143	18825	49.98
15	5083	2014	421	7518	74	3045	113	5494	5935	-1306	-1348	15337	704	16041	3180	19221	49.89
16	5026	2040	421	7487	113	3045	54	5368	5880	-1300	-1281	15298	827	16125	3180	19305	49.92
17	4932	1893	425	7250	192	3048	14	5137	5177	-1289	-1317	14364	1172	15536	3159	18695	49.98
18	4844	959	427	6230	120	3109	5	5015	5016	-1259	-1318	13162	929	14091	3039	17130	50.00
19	4802	820	434	6056	236	3148	0	4860	5155	-1241	-1256	13349	188	13537	2890	16427	50.00
20	4861	1809	440	7110	129	3176	0	5069	5397	-1229	-1242	14593	86	14679	2912	17591	49.95
21	4962	1552	440	6954	217	3253	0	5115	5416	-1277	-1255	14596	52	14648	2777	17425	49.99
22	4963	1262	440	6665	162	3212	0	5093	5137	-1225	-1203	14021	50	14071	2631	16702	49.90
23	4977	1394	444	6815	96	3218	0	5176	5286	-1238	-1204	14258	33	14291	2593	16884	49.88
24	5022	1597	445	7064	121	2944	0	5243	5577	-1226	-1202	14527	21	14548	2569	17117	49.84
MUs	119.67	32.31	10.50	162.49	4.74	70.69	0.91	123.06	124.66	-27.56	-26.16	337.49	12.98	350.47	63.36	413.83	49.95

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/Apr/2014

Position as on 6.30 Hrs of 23/Apr/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	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
CPP JSW (J) U3	300	14/04/2014	23.51		Continued.	Annual Shutdown.	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		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	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Adani U-4	660	14/04/2014	04:35		Continued.	With Drawn.	
Bhusawal Unit 5	500	17/04/2014	14.59	22/04/2014	19.10	Boiler Tube Leakage	
CPP INDIABULLS	270	19/04/2014	19.50		Continued.	Coal Shortage.	
Chandrapur Unit 4	210	20/04/2014	02.58	23/04/2014	03.29	Boiler Tube Leakage.	
Bhusawal Unit 2	210	20/04/2014	04.10		Continued.	Bearing Temp.High.	
Parli Unit 5	210	21/04/2014	20.56		Continued.	Gen.Protection.	

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

Position as on 6.30 Hrs of 23/Apr/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-Bhoisor (PGCIL)	22/04/2014	13.03		Continued.	By pass A/R for OPGW work.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	21/04/2014	17.14	22/04/2014	10.11	Over Voltage.
Kolhapur - Mapusa - I	22/04/2014	16.48		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	21/04/2014	08.57	22/04/2014	10.09	While charging line was tripped due to E/W broken.
Dabhol - NewKoyna - II	21/04/2014	23.32	22/04/2014	22.47	Dist.Prot,Y-Ph string broken.
Dhule-Sar'Sarovar - I	22/04/2014	10.09	23/04/2014	06.51	While charging line was tripped due to E/W broken.
Akola - Aurangabad - I	22/04/2014	18.57	22/04/2014	19.07	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol-Nagothane - II	14/04/2014	14.30	22/04/2014	06.39	Hot Spot on B-Ph CT.
Karad-Jaigad II	20/04/2014	09.10	22/04/2014	08.46	Cold Washing Work,RFG @ 18.05 Hrs.
Lonikand II-Parli II	22/04/2014	03.59	22/04/2014	11.34	To attend Hot Spot.
400/220 KV 315 MVA ICT-I @ Nagothane	22/04/2014	08.58	22/04/2014	20.40	Painting work.
Koradi - Bhusawal	22/04/2014	09.12	22/04/2014	12.09	Red hot spot on B-Ph line isolator.
400/220KV 315 MVA ICT-I @ Talangade	22/04/2014	10.06	22/04/2014	12.58	Attending hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bus Section I at ONGC Panvel.	22/04/2014	04.37	22/04/2014	18.15	Bus Repl.with twin conductor.
Kanhan - Umred - II	22/04/2014	08.30	22/04/2014	18.57	Conversion of SSN to DSN and STN to DTN.
220/132KV 200MVA ICT-II at BBLSR	22/04/2014	08.55	22/04/2014	12.50	Tan delta meaurement of CT and CVT.
Mudshingi-Talandage-II	22/04/2014	09.04	22/04/2014	13.56	Diagnostic test.
Uran-Kharghar-II	22/04/2014	09.07	22/04/2014	21.34	Repl.of damaged conductor.
Ahmadnagar-Bose I	22/04/2014	09.18	22/04/2014	12.14	Red hot spot.
Pedambe - Adlab	22/04/2014	09.45	22/04/2014	19.15	Providing repairing sleeve to damaged conductor.
220KV Aux.Bus at Paras Ext.	22/04/2014	13.15	22/04/2014	17.56	Jumper connection of new constructed Aux Bus to existing Aux Bus.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Temghar-Colourchem	22/04/2014	22.10		Continued.	To attend hot spot at CB clamp at Temghar.
Lote - Dasturi	22/04/2014	23.16	23/04/2014	00.49	To attend R-Ph CT clamp at Dasturi.
Borivali- Aarey	23/04/2014	01.05	23/04/2014	03.10	To check descripency relay of CB.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765/400KV 1500MVA ICT at Tiroda	15/04/2014	00.25		Continued.	H/T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.

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

Position as on 6.30 Hrs of 23/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	21/04/2014	16.20	22/04/2014	06.43	Over Voltage.
Bhusawal- Aurangabad	21/04/2014	17.44	22/04/2014	08.10	Over Voltage.
Karad - Kolhapur - II	22/04/2014	16.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	22/04/2014	22.24		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Parly - Girwali - II	21/04/2014	19.02	22/04/2014	19.25	Due to Y-Ph CT oil leakage.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Nagothane - I	21/04/2014	23.10	22/04/2014	00.20	Dist.Prot.
Padgha - Nagothane- II	21/04/2014	23.10	22/04/2014	15.15	Dist.Prot,Y-Ph string broken.
Padgha - Nagothane - I	22/04/2014	01.22		Continued.	Dist.Prot,B-Ph string broken & conductor snap.
Dabhol-Nagothane - II	23/04/2014	01.19		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Bhandara	22/04/2014	15.45	22/04/2014	15.55	Relay DC fuse fail.
Pawas-Kharepatan	23/04/2014	05.40		Continued.	Dist.Prot.
Oni - Kharepatan	23/04/2014	06.11	23/04/2014	06.25	Tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Narsi	22/04/2014	16.31	22/04/2014	16.41	Dist.Prot.
Dondaicha-Nandurbar Ckt.	22/04/2014	17.02	22/04/2014	17.20	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	162
Unit 7	210	153
	620	315
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	430
Unit 5	500	382
	1420	962
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	0
Unit 6	250	185
Unit 7	250	185
	1130	525
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	180
Unit 4	210	50
Unit 5	500	450
Unit 6	500	400
Unit 7	500	415
	2340	1815
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	170
Unit 5	500	400
	1340	890
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	212
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	535
WARDHA	405	0
Adani	2640	1846
Other CPPs	300	630
	4545	3011
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5932
	3455	5932