



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Apr/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	132.292	3274.577	1) Gujrat	2.290	151.366
2) Hydro	41.737	629.459	2) Madhya Pradesh	21.397	628.190
3) Gas	8.198	234.891	3) Chattisgarh	10.320	272.800
Total MSGENCO	182.227	4138.927	4) Maharashtra Net	95.854	2320.252
B) 1) JSW JAIGAD	14.135	368.925	(Incl. 765kV Solapur-Raichur)	2.024	-35.702
2) WPCL	0.000	4.347	5) Goa	-7.760	-168.182
3) ADANI	24.200	926.993	6) TAPS 1&2 Injection	6.706	190.988
4) Other CPP / IPP	20.634	583.996	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.731	192.231	8) Pench (Excess)	-0.173	-3.581
6) PENCH (MS)	0.173	3.948			
7) SOLAR	1.159	26.432	# Total Cent. Sector	128.634	3391.833
C) 1) TPCL Thermal	19.232	472.125	F) Other Exchanges		
2) TPCL Hydro	5.418	100.161	1) With TPCL (Excess)	-24.041	-616.446
TOTAL TPCL	24.650	572.286	G) Bilateral Power *		
3) REL Thermal	12.471	322.839	1) MSEDCL Bilateral	16.886	436.531
D) STATE			Include PX	0.000	16.556
1) Thermal (A1+C1+C3)	163.995	4069.541	2) MUMBAI Bilateral	24.376	649.749
2) Hydro (A2+B6+C2)	47.328	733.568	Include PX	4.126	103.051
3) Gas (A3)	8.198	234.891	3) MUMBAI Schedule	24.376	649.749
4) Wind (B5)	8.731	192.231	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	58.969	981.468	1) MSEDCL	355.852	9021.186
6) SOLAR (B7)	1.159	26.432	2) TPCL	38.807	966.018
TOTAL STATE	288.380	6238.131	3) REL	22.355	545.611
			TOTAL STATE	417.014	10532.815

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	5743	5518	5507
MSGENCO Hydro	2261	2264	1149
MSGENCO Gas	292	366	317
MSGENCO Total Generation	8296	8148	6973
Central Sector Receipt	5880	6139	4983
WIND	141	207	517
CPP / IPP	2423	2327	2521
SOLAR	161	74	0
Exchange with Mumbai	-1143	-1197	-683
MSEDCL DEMAND MET	15758	15698	14311
Load Shedding	966	834	334
MSEDCL DEMAND	16724	16532	14645
TPCL GENERATION	1307	1256	782
R-INFRA GENERATION	520	520	520
TPCL+R-INFRA DEMAND	2970	2973	1985
STATE DEMAND MET	18728	18671	16296
STATE DEMAND	19694	19505	16630
Frequency (Hz)	49.86	49.78	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 17.56 Hrs	49.48 Hz at 20.58 Hrs	49.86	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 26/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	2.80	72.95	135	85	85
Unit 7	2.69	87.06	153	0	115
Total	5.50	160.42			200
Bhusawal					
Unit 2	3.62	57.82	160	130	150
Unit 3	3.48	79.51	155	135	150
Unit 4	9.58	213.70	505	320	430
Unit 5	8.25	149.42	400	300	320
Total	24.92	500.44			1050
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	94.36	0	0	0
Unit 5	3.86	54.16	166	155	160
Unit 6	4.73	120.46	250	181	185
Unit 7	4.74	118.48	250	165	185
Total	13.33	387.46			530
Chandrapur					
Unit 1	3.48	75.82	151	137	150
Unit 2	3.92	94.83	170	150	170
Unit 3	4.13	92.32	183	152	190
Unit 4	4.62	97.27	202	179	210
Unit 5	9.27	269.41	410	350	400
Unit 6	8.88	248.99	395	337	380
Unit 7	8.63	244.87	382	325	400
Total	42.94	1123.51			1900
Paras					
Unit 3	4.44	111.93	204	77	210
Unit 4	5.06	111.56	230	177	230
Total	9.50	223.49			440
Khaparkheda					
Unit 1	3.73	98.59	190	125	180
Unit 2	3.62	94.84	185	110	180
Unit 3	0.00	0.80	0	0	0
Unit 4	5.04	118.46	210	210	210
Unit 5	9.91	241.86	506	340	500
Total	22.30	554.54			1070
Nasik					
Unit 3	4.56	93.68	195	180	190
Unit 4	4.61	115.91	196	189	190
Unit 5	4.63	115.12	198	187	190
Total	13.80	324.71			570
Uran					
All Units	8.20	234.89	445	208	145
Total	8.20	234.89			145
PENCH (MS)					
Pench (MS)	0.17	3.95	42	0	
Total	0.17	3.95			
Koyna					
Stage 1-2	7.34	143.86	565	40	520
Stage 4	23.63	273.85	1121	108	250
Stage 3	6.46	90.96	320	148	320
Kovna 12&4 Total	30.96	417.71			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	37.42	508.67			1090
Hydro					
KDPH	0.35	11.90	18	14	15
VTRNA	1.04	31.42	61	0	61
TILLARI	0.38	10.24	63	0	64
BHTGR/VEER	0.10	1.92	5	4	4
BHIRA T.R.	0.32	5.63	40	0	40
RNGR+BHTSA	0.00	7.42	0	0	13
BHANDARDRA	0.74	6.42	31	31	32
ELDARY	0.33	4.87	15	0	15
SMLHY PTN	0.94	23.19	47	37	8
GHATGHAR	0.11	17.78	90	0	0
Total	4.32	120.79			252
Wind					
MalharPeth	0.21	6.25			
Vankuswadi	0.31	10.96			
ATIT	0.04	1.22			
Kale	0.11	4.21			
Satara	2.80	46.01			
Shirala	0.19	4.71			
K Mahankal	0.03	0.59			
Supa	0.14	2.35			
Vita	1.04	24.04			
Dondaicha	2.65	64.45			
Sakri	0.35	7.17			
Nandurbar	0.27	7.34			
Khandke	0.24	5.72			
Khaparale	0.34	7.22			
Total	8.73	192.23			
CPP					
JSW JAIGAD	14.14	368.92	600	566	535
WARDHA	0.00	4.35	0	0	0
Adani	24.20	926.99	1180	830	1223
Other CPPs	20.63	584.00			630
Total	58.97	1884.26			2388
SOLAR					
Total	1.16	26.43			
Total	1.16	26.43			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.81	290.87	501	474	500
Trombay 6	3.69	72.57	156	153	500
Trombay 7A	2.28	68.18	115	74	120
Trombay 7B	1.45	40.50	68	53	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.42	100.16	471	0	447
Total	24.65	572.29			1627
REL					
1&2	12.47	322.84	522	516	500
Total	12.47	322.84			500
Cent Sect					
Share					5186
Total					5186
MS PG CL	Thermal	132.29	3274.58		5760
	Thml+Gas	140.49	3509.47		5905
	Hydro	41.74	629.46		1342
	Total	182.23	4138.93		7247
State Total		288.38	6238.13		16948

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	5475	1953	208	7636	655	2543	0	5133	5587	-1120	-1082	15339	125	15464	2498	17962	49.86
2	5350	1853	301	7504	581	2459	0	5047	5177	-1064	-953	14768	303	15071	2283	17354	49.93
3	5376	1463	317	7156	526	2499	0	4925	5048	-951	-806	14423	313	14736	2130	16866	49.91
4	5449	1247	317	7013	536	2556	0	4838	5048	-871	-760	14393	326	14719	2061	16780	49.98
5	5507	1149	317	6973	517	2521	0	4825	4983	-847	-683	14311	334	14645	1985	16630	49.94
6	5592	1207	317	7116	452	2525	0	4857	4920	-871	-697	14322	456	14778	2000	16778	49.87
7	5601	1145	317	7063	376	2553	6	5002	4869	-896	-676	14204	850	15054	1974	17028	49.95
8	5664	1046	317	7027	246	2491	35	5042	5271	-841	-738	14345	876	15221	2038	17259	49.96
9	5609	1585	296	7490	162	2505	76	5098	5338	-908	-847	14737	808	15545	2235	17780	49.91
10	5559	2226	326	8111	168	2479	105	5202	5345	-1034	-881	15340	710	16050	2567	18617	49.84
11	5631	2231	219	8081	148	2603	137	5048	5562	-885	-1076	15457	811	16268	2858	19126	49.81
12	5743	2261	292	8296	141	2423	161	5368	5880	-956	-1143	15758	966	16724	2970	19694	49.86
13	5928	2167	318	8413	127	2344	164	5619	5716	-972	-1155	15609	1032	16641	2976	19617	49.87
14	5864	2207	324	8395	147	2385	163	5525	5473	-1048	-1144	15419	912	16331	2956	19287	49.90
15	5865	2095	324	8284	173	2376	148	5615	5795	-1118	-1175	15601	792	16393	2973	19366	49.73
16	5518	2264	366	8148	207	2327	74	5628	6139	-1123	-1197	15698	834	16532	2973	19505	49.78
17	5466	2023	380	7869	224	2323	66	5572	5883	-1079	-1181	15184	920	16104	2945	19049	49.90
18	5430	1059	413	6902	318	2348	24	5541	5448	-1143	-1155	13885	857	14742	2807	17549	49.93
19	5332	657	361	6350	295	2375	0	5484	5511	-1094	-1161	13370	296	13666	2695	16361	49.92
20	5268	2100	407	7775	421	2355	0	5127	5475	-1097	-1119	14913	179	15092	2776	17868	49.81
21	5277	2170	434	7881	596	2472	0	5084	5000	-1104	-1102	14860	95	14955	2680	17635	49.78
22	5276	1776	440	7492	577	2496	0	4979	5081	-1109	-1194	14465	47	14512	2701	17213	49.79
23	5278	1787	442	7507	531	2536	0	4995	5112	-1125	-1070	14655	16	14671	2538	17209	49.70
24	5234	2066	445	7745	607	2475	0	5046	4973	-1121	-1046	14796	9	14805	2543	17348	49.75
MUs	132.29	41.74	8.20	182.23	8.73	58.97	1.16	124.60	128.63	-24.38	-24.04	355.85	12.87	368.72	61.16	429.88	49.86

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 26/Apr/2014

Position as on 6.30 Hrs of 27/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	
Uran Unit 5	108	16/04/2014	03.31		Continued.	Gas Shortage.	
CPP INDIABULLS	270	19/04/2014	19.50		Continued.	Coal Shortage.	
Koradi Unit 7	210	24/04/2014	14.51	26/04/2014	02.38	ID Fan Bearing Temp High	
Uran Unit 6	108	25/04/2014	12.35	26/04/2014	19.37	Gas Shortage.	
Uran Unit A0	120	25/04/2014	12.35	26/04/2014	18.42	Gas Shortage.	
Parli Unit 4	210	25/04/2014	17.52		Continued.	Flame Failure.	
CPP Adani U-3	660	26/04/2014	00.33		Continued.	Boiler Tube Leakage.	
Nasik Unit 4	210	27/04/2014	11.15		Continued.	Boiler Tube Leakage.	
Uran Unit A0	120	27/04/2014	18.42	27/04/2014	19.37	Trip.	
Koyna ST - IV 3	250	27/04/2014	19.25	27/04/2014	20.18	Trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Apr/2014

Position as on 6.30 Hrs of 27/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		
Aurangabad (M) - 400KV Aurangabad (PG) - II	27/04/2014	22.59	27/04/2014	23.00	Ckt Charged by Making LILO @ 400KV A'bad (PG) S/S.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhariwal - Parly PG	26/04/2014	00.34	26/04/2014	03.05	Rectification in CVT Problem.
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		
Talegaon PG- Aurangabad - II	25/04/2014	18.11		Continued.	For Akola-A'bad 1 & 2 Outage.
Kolhapur - Mapusa - I	26/04/2014	16.04	27/04/2014	09.53	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus- I @ Aurangabad	25/04/2014	18.35	27/04/2014	22.42	Tube, Line Isolator & Twin to Quad Conversion of Conductor of Ckt.
400/220KV 500MVA ICT-III at Bableshtar	26/04/2014	14.03	26/04/2014	16.38	Due to LV Side R Ph. Heavy Leakage.
400/220KV 500MVA ICT-III at Bableshtar	27/04/2014	17.20	27/04/2014	20.09	Replacement of LV Side R Ph. CT.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Dondaicha - Sahada	26/04/2014	08.20	26/04/2014	11.31	For Attending Hot Spot on CT & Replacement of Main Bus Jumper.
Khaparkhedha-Kawlewada-I	26/04/2014	08.21	26/04/2014	15.13	Conversion of SSN to DSN @ Loc no 150&123.
Jejuri - Parvati	26/04/2014	09.04	26/04/2014	15.28	Replacement of 29C Isolator.
220/132KV 200MVA ICT-I @ Raymond	26/04/2014	09.21	26/04/2014	20.36	O/H of OLTC, Testing Work.
Hingoli-Parbhani	26/04/2014	09.31	26/04/2014	14.44	Replacement of Faulty Disc Insulators Shown in Pid @ Loc No.232,233 & 234.
Uran -Apta-III	26/04/2014	09.52	26/04/2014	19.44	Replacement of Insulator.
Mudshingi - Peth	26/04/2014	10.38	26/04/2014	13.05	Tan Delta Testing.
Tifil-Trombay	26/04/2014	10.50	26/04/2014	16.43	Fixing of Jumper N & B @ Loc.679B.
K'Kheda-Butobori III	26/04/2014	11.46	26/04/2014	17.28	Replacement of R Ph. CT Due to Oil Leakage.
Usmanabad-Parli	26/04/2014	12.35	26/04/2014	14.06	Disconnection of PVC Sprinkler Pipe which Attached to Y Ph @ Loc no.203.
220/132 KV 200 MVA T/F - II @ Lonand	26/04/2014	16.40	26/04/2014	18.10	Isolator Work.
Uran -Apta-III	27/04/2014	08.52	27/04/2014	15.31	Replacement of Insulator.
Kanhan - Bhandara - I	27/04/2014	08.52	27/04/2014	19.34	Conversion of SSN to DSN @ Various Loactions.
Borivali-Tata Borivali 4	27/04/2014	09.37	27/04/2014	17.23	Premansoon Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Karad - Kolhapur - II	25/04/2014	17.07	26/04/2014	07.50	Over Voltage.
Karad-Jaigad I	25/04/2014	17.11	26/04/2014	08.39	Over Voltage.
Deepnagar-Aurangabad-I	26/04/2014	09.02		Continued.	To Control L/L of Akola-Bhusawal.
Karad - Kolhapur - II	26/04/2014	16.36	27/04/2014	08.30	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Apr/2014

Position as on 6.30 Hrs of 27/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	26/04/2014	16.39	27/04/2014	09.42	Over Voltage.
Karad - Kolhapur - II	27/04/2014	16.35		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Khamgaon - Warwat Bakal	25/04/2014	15.45		Continued.	To Control Chikhali Khamgaon L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/04/2014	15.38		Continued.	Differential Protection Operated OLTC Buchholz Protection Operated Bucholz Alarm, MTR Operated. T/F Sent to Company for Repair, Exp. upto 30 April 2014.
Bhusawal- Aurangabad	26/04/2014	15.10	26/04/2014	15.50	Distance Protection.
Akola - Indiabull (Nandgaonpeth)	27/04/2014	09.10	27/04/2014	11.07	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Girwali - Parbhani	26/04/2014	16.22	26/04/2014	17.31	Distance Protection Operated Z-2.
Mumewadi-Mudshingi	26/04/2014	18.49	26/04/2014	19.01	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati-Chandurbazar	26/04/2014	19.18	26/04/2014	19.31	Distance Protection Operated Z-1.
Chakur - Udgir	27/04/2014	15.55	27/04/2014	16.20	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	160
	620	320
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	435
Unit 5	500	330
	1420	1065
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	153
Unit 6	250	187
Unit 7	250	185
	1130	525
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	175
Unit 4	210	210
Unit 5	500	400
Unit 6	500	370
Unit 7	500	380
	2340	1855
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1070
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
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	15
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	35
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	240
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	534
WARDHA	405	0
Adani	2640	1223
Other CPPs	300	630
	4545	2387
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	5213
	3455	5213