



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Apr/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.888	392.822	1) Gujrat	6.001	22.280
2) Hydro	22.174	59.269	2) Madhya Pradesh	22.002	65.732
3) Gas	7.491	22.207	3) Chattisgarh	10.000	28.900
Total MSGENCO	160.553	474.298	4) Maharashtra Net	91.108	265.634
B) 1) JSW JAIGAD	14.639	36.834	(Incl. 765kV Solapur-Raichur)	1.337	-0.791
2) WPCL	0.000	4.347	5) Goa	-6.200	-18.488
3) ADANI	38.853	115.607	6) TAPS 1&2 Injection	7.459	22.407
4) Other CPP / IPP	22.077	67.144	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.607	24.224	8) Pench (Excess)	-0.123	-0.507
6) PENCH (MS)	0.123	0.507			
7) SOLAR	1.235	3.697	# Total Cent. Sector	130.247	385.958
C) 1) TPCL Thermal	15.930	46.777	F) Other Exchanges		
2) TPCL Hydro	4.923	14.408	1) With TPCL (Excess)	-26.441	-78.564
TOTAL TPCL	20.853	61.185	G) Bilateral Power *		
3) REL Thermal	12.530	36.916	1) MSEDCL Bilateral	17.062	40.999
D) STATE			Include PX	0.000	0.000
1) Thermal (A1+C1+C3)	159.348	476.515	2) MUMBAI Bilateral	27.634	81.616
2) Hydro (A2+B6+C2)	27.220	74.184	Include PX	7.926	18.743
3) Gas (A3)	7.491	22.207	3) MUMBAI Schedule	27.634	81.616
4) Wind (B5)	6.607	24.224	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	75.569	147.178	1) MSEDCL	347.893	1034.052
6) SOLAR (B7)	1.235	3.697	2) TPCL	38.497	113.204
TOTAL STATE	277.470	748.005	3) REL	21.417	63.551
			TOTAL STATE	407.807	1210.807

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5938	5481	5255
MSGENCO Hydro	1555	2407	124
MSGENCO Gas	294	300	326
MSGENCO Total Generation	7787	8188	5705
Central Sector Receipt	5656	5798	4735
WIND	173	23	546
CPP / IPP	3075	3020	3166
SOLAR	170	114	0
Exchange with Mumbai	-1333	-1326	-536
MSEDCL DEMAND MET	15528	15817	13616
Load Shedding	753	589	17
MSEDCL DEMAND	16281	16406	13633
TPCL GENERATION	1151	1152	667
R-INFRA GENERATION	523	523	523
TPCL+R-INFRA DEMAND	3007	3001	1726
STATE DEMAND MET	18535	18818	15342
STATE DEMAND	19288	19407	15359
Frequency (Hz)	49.91	49.88	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 06.57 Hrs	49.63 Hz at 22.01 Hrs	49.95	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 03/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.25	9.86	152	115	150
Unit 7	3.36	10.41	160	125	150
Total	6.61	20.27			300
Bhusawal					
Unit 2	3.16	9.59	150	105	140
Unit 3	3.00	8.66	135	115	150
Unit 4	9.38	27.37	505	305	430
Unit 5	7.97	23.03	410	275	372
Total	23.52	68.66			1092
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.63	10.55	163	137	140
Unit 5	0.00	0.00	0	0	0
Unit 6	3.39	11.79	231	0	100
Unit 7	4.33	12.61	250	160	160
Total	11.36	34.95			400
Chandrapur					
Unit 1	3.50	10.49	148	144	150
Unit 2	3.96	10.23	170	160	170
Unit 3	0.00	2.55	0	0	0
Unit 4	4.80	14.39	209	181	210
Unit 5	10.90	32.15	470	433	470
Unit 6	10.12	30.48	445	400	450
Unit 7	9.39	29.72	411	346	450
Total	42.68	130.00			1900
Paras					
Unit 3	4.59	14.52	221	104	230
Unit 4	5.12	15.57	227	201	230
Total	9.72	30.09			460
Khaparkheda					
Unit 1	4.08	12.04	185	145	180
Unit 2	4.00	12.04	180	145	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.79	13.61	210	166	210
Unit 5	11.15	31.44	520	411	500
Total	24.02	69.93			1070
Nasik					
Unit 3	4.17	12.44	185	160	180
Unit 4	4.46	13.32	195	175	190
Unit 5	4.36	13.16	195	174	190
Total	12.99	38.93			560
Uran					
All Units	7.49	22.21	338	294	300
Total	7.49	22.21			300
PENCH (MS)					
Pench (MS)	0.12	0.51	30	0	
Total	0.12	0.51			
Koyna					
Stage 1-2	5.34	14.52	575	40	600
Stage 4	8.64	19.86	1120	0	250
Stage 3	2.76	7.63	318	0	320
Kovna 12&4 Total	13.97	34.38			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.73	42.01			1170
Hydro					
KDPH	0.41	1.38	17	17	18
VTRNA	1.18	3.91	61	0	61
TILLARI	0.38	1.17	64	0	60
BHTGR/VEER	0.07	0.21	3	2	2
BHIRA T.R.	0.26	0.66	40	0	40
RNGR+BHTSA	0.32	0.99	14	13	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.36	1.07	15	14	0
SMLHY PTN	0.84	3.10	36	35	15
GHATGHAR	1.62	4.77	240	0	0
Total	5.44	17.26			210
Wind					
MalharPeth	0.19	0.75			
Vankuswadi	0.32	1.12			
ATIT	0.03	0.14			
Kale	0.18	0.57			
Satara	2.07	6.33			
Shirala	0.23	0.68			
K Mahankal	0.05	0.12			
Supa	0.17	0.51			
Vita	1.88	4.34			
Dondaicha	0.86	6.20			
Sakri	0.14	0.87			
Nandurbar	0.10	0.70			
Khandke	0.34	0.95			
Khaparale	0.05	0.94			
Total	6.61	24.22			
CPP					
JSW JAIGAD	14.64	36.83	629	552	550
WARDHA	0.00	4.35	0	0	0
Adani	38.85	115.61	1788	1376	1223
Other CPPs	22.08	67.14			690
Total	75.57	223.93			2463
SOLAR					
Total	1.24	3.70			
Total	1.24	3.70			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.58	33.74	501	344	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	8.25	115	114	120
Trombay 7B	1.60	4.79	67	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.92	14.41	471	0	447
Total	20.85	61.18			1127
REL					
1&2	12.53	36.92	525	519	500
Total	12.53	36.92			500
Cent Sect					
Share					5805
Total					5805
MS PG CL	Thermal	130.89	392.82		5782
	Thml+Gas	138.38	415.03		6082
	Hydro	22.17	59.27		1380
	Total	160.55	474.30		7462
State Total		277.47	748.00		17357

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	5090	523	326	5939	372	3243	0	5194	5538	-1054	-904	14188	7	14195	2134	16329	49.98
2	5163	378	326	5867	407	3245	0	5037	5090	-905	-730	13879	17	13896	1915	15811	49.99
3	5168	256	326	5750	472	3185	0	4855	5039	-721	-622	13824	17	13841	1804	15645	49.98
4	5255	124	326	5705	546	3166	0	4909	4735	-756	-536	13616	17	13633	1726	15359	50.00
5	5258	178	326	5762	639	3168	0	4854	4907	-690	-648	13828	17	13845	1721	15566	49.96
6	5355	250	326	5931	655	3186	0	4802	5003	-669	-771	14004	243	14247	1820	16067	50.02
7	5440	190	338	5968	618	3212	1	5123	5070	-877	-838	14051	576	14627	1993	16620	49.97
8	5585	240	327	6152	495	3226	28	5229	5433	-975	-943	14411	657	15068	2138	17206	50.01
9	5701	397	312	6410	392	3284	81	5361	5417	-1143	-1164	14420	779	15199	2387	17586	49.99
10	5890	905	305	7100	407	3291	120	5341	5325	-1195	-1240	15003	555	15558	2687	18245	49.89
11	5887	1086	297	7270	277	3197	146	5582	5859	-1433	-1354	15395	603	15998	2968	18966	49.86
12	5938	1555	294	7787	173	3075	170	5594	5656	-1446	-1333	15528	753	16281	3007	19288	49.91
13	5587	1723	298	7608	92	2948	178	5553	5694	-1450	-1326	15194	904	16098	3001	19099	49.88
14	5515	1955	300	7770	56	2965	157	5361	5668	-1384	-1291	15325	822	16147	2960	19107	49.95
15	5491	2337	298	8126	33	2970	143	5291	5592	-1388	-1337	15527	622	16149	3003	19152	49.92
16	5481	2407	300	8188	23	3020	114	5278	5798	-1399	-1326	15817	589	16406	3001	19407	49.88
17	5431	2251	302	7984	21	3107	67	5361	5579	-1344	-1262	15508	654	16162	2900	19062	50.01
18	5433	902	304	6639	51	3078	27	5290	5204	-1279	-1331	13679	542	14221	2932	17153	50.00
19	5436	297	304	6037	53	3124	3	5163	5472	-1275	-1284	13432	88	13520	2792	16312	49.91
20	5446	1164	307	6917	119	3151	0	5390	5674	-1264	-1256	14635	54	14689	2819	17508	49.93
21	5404	991	310	6705	200	3198	0	5442	5604	-1261	-1305	14405	22	14427	2714	17141	49.93
22	5379	550	312	6241	232	3182	0	5378	5655	-1280	-1223	14087	6	14093	2567	16660	49.94
23	5259	620	312	6191	171	3209	0	5276	5720	-1242	-1256	14035	4	14039	2464	16503	49.91
24	5296	895	315	6506	103	3139	0	5319	5515	-1202	-1161	14102	6	14108	2371	16479	49.96
MUs	130.89	22.17	7.49	160.55	6.61	75.57	1.24	125.98	130.25	-27.63	-26.44	347.89	8.55	356.45	59.82	416.27	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 03/Apr/2014

Position as on 6.30 Hrs of 04/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.	
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	
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	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 5	210	25/03/2014	12.18		Continued.	Stator Earth Fault	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
Uran Unit 8	108	01/04/2014	12.42		Continued.	Gas Shortage	
Chandrapur Unit 3	210	01/04/2014	14.47		Continued.	BLR T/L.	
Koyna Unit 5	80	02/04/2014	21.30	03/04/2014	01.50	P.M.Work	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 6	250	03/04/2014	00.05	03/04/2014	03.15	Furnace Pressure High	
Parli Unit 6	250	03/04/2014	03.28	03/04/2014	05.07	Furnace pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Apr/2014

Position as on 6.30 Hrs of 04/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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	02/04/2014	16.24	03/04/2014	09.25	Over Voltage
Kolhapur-Mapusa-II	03/04/2014	16.16		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/15.75 KV 250 MVA GT III At Chandrapur	01/04/2014	19.40		Continued.	Exitation T/F Preventive maint.
400/220KV 500 MVA ICT I at Kalwa	03/04/2014	05.54	03/04/2014	06.17	Shifting of 220KV side of ICT-I
400/220 KV 315 MVA ICT-I @ Nagothane	03/04/2014	12.16	03/04/2014	21.26	Painting work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus - I @ Lonikand	02/04/2014	13.40	03/04/2014	17.00	Stringing of 220KV Jack Bus
Butibori - Wardha	02/04/2014	23.40	03/04/2014	17.35	Red Hot
Nerul - Sonkhar	03/04/2014	06.55	03/04/2014	08.36	Hot Spot
Lonikand - VSNL	03/04/2014	07.54	03/04/2014	17.25	Shifting of Line from Lonikand-I to Lonikand-II
220/132KV 200MVA ICT-VI at NSK GCR	03/04/2014	09.20	03/04/2014	17.31	Tan Delta Measurement
Lonand - Jejuri	03/04/2014	10.00	03/04/2014	16.50	Replacement of Insulator String
Mumewadi - Halkarni - II	03/04/2014	10.50	03/04/2014	16.10	Strengthening of Tower Main Leg
Yavatmal-Pusad	03/04/2014	11.14	03/04/2014	16.46	Tan Delta Measurement
Babaleshwar - Ranjangaon	03/04/2014	22.06	04/04/2014	02.56	Maintenance for Trouble Shooting for A/R
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	02/04/2014	16.47	03/04/2014	07.43	Over Voltage
Karad-Jaigad I	02/04/2014	17.55	03/04/2014	07.20	Over Voltage
Bhusawal- Aurangabad	02/04/2014	21.25	03/04/2014	07.19	Over Voltage
Karad - Kolhapur - I	03/04/2014	16.38		Continued.	Over Voltage
Karad-Jaigad I	03/04/2014	16.44		Continued.	Over Voltage
Bhusawal- Aurangabad	03/04/2014	17.50		Continued.	Over Voltage
Khadka - Deepnagar - II	04/04/2014	05.38		Continued.	SF6 Gas Leakage
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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras - I	03/04/2014	03.10	03/04/2014	08.18	Distance Protection
Akola - Paras-II	03/04/2014	03.10	03/04/2014	03.40	Backup Prot.Operated
Paras - Warwat Bakal	03/04/2014	03.47	03/04/2014	08.25	Backup Prot.operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	140
	620	290
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	430
Unit 5	500	372
	1420	1092
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	490
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	0
Unit 4	210	210
Unit 5	500	460
Unit 6	500	420
Unit 7	500	400
	2340	1810
Paras		
Unit 3	250	110
Unit 4	250	250
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	420
	1340	990
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	190
	630	560
Uran		
All Units	852	300
	852	300
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	210
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	560
WARDHA	405	0
Adani	1980	1223
Other CPPs	300	705
	3885	2488
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	5793
	3455	5793

	21280	17180
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