



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Apr/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.476	521.298	1) Gujrat	7.728	30.008
2) Hydro	20.909	80.178	2) Madhya Pradesh	23.593	89.325
3) Gas	7.338	29.545	3) Chattisgarh	10.820	39.720
Total MSGENCO	156.723	631.021	4) Maharashtra Net	90.814	356.448
B) 1) JSW JAIGAD	14.967	51.801	(Incl. 765kV Solapur-Raichur)	-1.643	-2.434
2) WPCL	0.000	4.347	5) Goa	-6.545	-25.033
3) ADANI	39.899	155.506	6) TAPS 1&2 Injection	7.441	29.848
4) Other CPP / IPP	22.685	89.829	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.435	28.659	8) Pench (Excess)	-0.136	-0.643
6) PENCH (MS)	0.136	0.643			
7) SOLAR	1.183	4.880	# Total Cent. Sector	133.715	519.673
C) 1) TPCL Thermal	16.185	62.962	F) Other Exchanges		
2) TPCL Hydro	5.662	20.070	1) With TPCL (Excess)	-26.489	-105.053
TOTAL TPCL	21.847	83.032	G) Bilateral Power *		
3) REL Thermal	12.526	49.442	1) MSEDCL Bilateral	17.624	58.622
D) STATE			Include PX	0.000	0.000
1) Thermal (A1+C1+C3)	157.187	633.702	2) MUMBAI Bilateral	27.587	109.204
2) Hydro (A2+B6+C2)	26.707	100.891	Include PX	7.948	26.691
3) Gas (A3)	7.338	29.545	3) MUMBAI Schedule	27.587	109.204
4) Wind (B5)	4.435	28.659	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	77.551	185.876	1) MSEDCL	347.254	1381.306
6) SOLAR (B7)	1.183	4.880	2) TPCL	39.138	152.342
TOTAL STATE	274.401	983.553	3) REL	21.724	85.275
			TOTAL STATE	408.116	1618.923

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	5594	5260	5367
MSGENCO Hydro	1379	2005	271
MSGENCO Gas	298	289	318
MSGENCO Total Generation	7271	7554	5956
Central Sector Receipt	5923	5944	4904
WIND	187	99	266
CPP / IPP	3123	3270	3195
SOLAR	161	101	0
Exchange with Mumbai	-1371	-1391	-530
MSEDCL DEMAND MET	15294	15577	13791
Load Shedding	834	541	290
MSEDCL DEMAND	16128	16118	14081
TPCL GENERATION	1151	1151	694
R-INFRA GENERATION	521	523	524
TPCL+R-INFRA DEMAND	3043	3065	1748
STATE DEMAND MET	18337	18642	15539
STATE DEMAND	19171	19183	15829
Frequency (Hz)	49.94	49.92	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 06.58 Hrs	49.68 Hz at 18.48 Hrs	49.93	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 04/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	3.50	13.36	156	133	150
Unit 7	3.36	13.77	165	121	140
Total	6.86	27.13			290
Bhusawal					
Unit 2	2.95	12.54	135	110	140
Unit 3	3.05	11.72	145	120	150
Unit 4	9.32	36.70	505	300	430
Unit 5	7.00	30.04	355	240	372
Total	22.33	90.98			1092
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.72	14.27	169	143	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.48	16.28	250	168	170
Unit 7	3.98	16.59	250	0	170
Total	12.19	47.13			490
Chandrapur					
Unit 1	3.42	13.91	148	140	150
Unit 2	3.65	13.88	168	0	170
Unit 3	1.44	3.99	175	0	0
Unit 4	4.70	19.09	208	171	210
Unit 5	10.81	42.96	465	425	460
Unit 6	10.00	40.49	440	390	420
Unit 7	9.19	38.91	433	348	400
Total	43.21	173.21			1810
Paras					
Unit 3	3.24	17.76	226	94	110
Unit 4	5.47	21.04	238	214	250
Total	8.71	38.80			360
Khaparkheda					
Unit 1	3.80	15.85	190	100	180
Unit 2	3.77	15.81	185	130	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.99	18.60	213	161	210
Unit 5	9.37	40.81	463	332	420
Total	21.94	91.87			990
Nasik					
Unit 3	4.32	16.76	190	170	180
Unit 4	4.51	17.83	197	178	190
Unit 5	4.42	17.59	190	174	190
Total	13.25	52.18			560
Uran					
All Units	7.34	29.54	323	285	300
Total	7.34	29.54			300
PENCH (MS)					
Pench (MS)	0.14	0.64	47	0	
Total	0.14	0.64			
Koyna					
Stage 1-2	5.28	19.80	560	40	600
Stage 4	8.19	28.05	1080	0	250
Stage 3	3.29	10.91	314	0	320
Kovna 12&4 Total	13.47	47.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.76	58.77			1170
Hydro					
KDPH	0.40	1.78	18	16	18
VTRNA	1.25	5.16	61	0	61
TILLARI	0.38	1.54	64	0	60
BHTGR/VEER	0.06	0.27	3	2	2
BHIRA T.R.	0.35	1.01	40	0	40
RNGR+BHTSA	0.34	1.33	15	14	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.36	1.43	15	14	0
SMLHY PTN	1.02	4.13	43	42	15
GHATGHAR	0.00	4.77	0	0	0
Total	4.15	21.41			210
Wind					
MalharPeth	0.21	0.96			
Vankuswadi	0.41	1.53			
ATIT	0.05	0.19			
Kale	0.17	0.74			
Satara	1.51	7.84			
Shirala	0.18	0.85			
K Mahankal	0.01	0.12			
Supa	0.09	0.60			
Vita	0.54	4.88			
Dondaicha	0.83	7.03			
Sakri	0.10	0.97			
Nandurbar	0.08	0.78			
Khandke	0.14	1.09			
Khaparale	0.13	1.07			
Total	4.44	28.66			
CPP					
JSW JAIGAD	14.97	51.80	632	613	560
WARDHA	0.00	4.35	0	0	0
Adani	39.90	155.51	1750	1471	1223
Other CPPs	22.68	89.83			705
Total	77.55	301.48			2488
SOLAR					
Total	1.18	4.88			
Total	1.18	4.88			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.82	45.56	502	427	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	10.99	115	114	120
Trombay 7B	1.62	6.40	68	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.66	20.07	471	0	447
Total	21.85	83.03			1127
REL					
1&2	12.53	49.44	524	519	500
Total	12.53	49.44			500
Cent Sect					
Share					5793
Total					5793
MS PG CL	Thermal	128.48	521.30		5592
	Thml+Gas	135.81	550.84		5892
	Hydro	20.91	80.18		1380
	Total	156.72	631.02		7272
State Total		274.40	983.55		17180

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5306	991	319	6616	110	3148	0	5264	5623	-1065	-993	14504	162	14666	2203	16869	49.96
2	5313	896	317	6526	134	3165	0	5095	5122	-904	-802	14145	261	14406	1960	16366	49.94
3	5345	624	319	6288	140	3245	0	5004	5062	-813	-701	14034	274	14308	1853	16161	49.94
4	5316	334	319	5969	228	3216	0	4972	5193	-754	-577	14029	283	14312	1770	16082	49.95
5	5367	271	318	5956	266	3195	0	4940	4904	-722	-530	13791	290	14081	1748	15829	49.97
6	5332	255	322	5909	205	3295	0	5076	5313	-771	-613	14109	475	14584	1815	16399	49.89
7	5329	270	322	5921	193	3247	6	5187	5716	-862	-696	14387	897	15284	1931	17215	50.00
8	5450	651	323	6424	159	3209	31	5322	5286	-989	-851	14258	931	15189	2061	17250	50.03
9	5622	589	317	6528	122	3274	73	5359	5522	-1071	-1043	14476	845	15321	2347	17668	49.94
10	5722	1008	300	7030	144	3208	119	5619	5719	-1227	-1241	14979	616	15595	2699	18294	49.93
11	5630	1349	302	7281	160	3156	146	5923	6025	-1435	-1371	15397	650	16047	2985	19032	49.86
12	5594	1379	298	7271	187	3123	161	5922	5923	-1470	-1371	15294	834	16128	3043	19171	49.94
13	5412	1211	292	6915	127	3152	189	5875	5991	-1449	-1376	14998	995	15993	3052	19045	49.95
14	5265	1334	292	6891	104	3101	135	5811	6010	-1386	-1335	14906	891	15797	3002	18799	49.97
15	5259	1589	285	7133	60	3162	129	5713	5929	-1388	-1371	15042	665	15707	3046	18753	49.87
16	5260	2005	289	7554	99	3270	101	5676	5944	-1395	-1391	15577	541	16118	3065	19183	49.92
17	5194	1781	291	7266	117	3205	65	5644	5733	-1345	-1414	14992	552	15544	3053	18597	49.92
18	5293	453	294	6040	196	3238	25	5461	5325	-1273	-1364	13503	501	14004	2982	16986	49.99
19	5156	342	294	5792	172	3310	3	5228	5232	-1253	-1315	13241	29	13270	2873	16143	49.87
20	5184	1054	299	6537	201	3355	0	5410	5872	-1244	-1291	14697	30	14727	2903	17630	49.93
21	5225	673	305	6203	325	3332	0	5510	5773	-1268	-1281	14355	23	14378	2798	17176	49.90
22	5325	484	305	6114	315	3367	0	5198	5383	-1167	-1221	13958	8	13966	2628	16594	49.96
23	5317	557	307	6181	311	3351	0	5100	5548	-1129	-1156	14235	5	14240	2554	16794	49.87
24	5260	809	309	6378	360	3227	0	5253	5567	-1206	-1185	14347	7	14354	2491	16845	49.90
MUs	128.48	20.91	7.34	156.72	4.44	77.55	1.18	129.56	133.72	-27.59	-26.49	347.25	10.76	358.02	60.86	418.88	49.93

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 04/Apr/2014

Position as on 6.30 Hrs of 05/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	04/04/2014	10.25	BLR T/L.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 7	250	04/04/2014	18.30	04/04/2014	21.15	flame failure	
Chandrapur Unit 2	210	04/04/2014	22.24		Continued.	BTL	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2014

Position as on 6.30 Hrs of 05/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-II	03/04/2014	16.16	04/04/2014	8.53	Over Voltage
Kolhapur - Mapusa - I	04/04/2014	17.42		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.
400/220 KV 315 MVA ICT-I @ Nagothane	04/04/2014	10.00	04/04/2014	23.30	painting work of ict-1
Padgha - Kharghar	04/04/2014	10.48	04/04/2014	14.43	taken on tbc to attend hot spot at khargher end
Bableshtar-Aurangabad	04/04/2014	11.33	04/04/2014	19.43	replacement of damaged insulator
Khadka - Deepnagar - II	04/04/2014	5.38	04/04/2014	13.27	to attend problem in main cb, ckt on tbc
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshtar - Ranjangaon	03/04/2014	22.06	04/04/2014	02.56	Maintenance for Trouble Shooting for A/R
Raymond-Washala	04/04/2014	10.00	04/04/2014	17.28	maintance work tan delta
BBLSR-Chalisgaon	04/04/2014	12.10	04/04/2014	15.18	disconnecting test charged 220kv tap line for new 220 kv kopergaon ss
Mumewadi - Halkarni - II	04/04/2014	9.18	04/04/2014	18.09	strengting of tower
220/132KV, 200MVA ICT-1@Boiser	04/04/2014	9.40	04/04/2014	12.40	hot spot
220/100 KV 200 MVA ICT-I @ Kolshet	04/04/2014	9.45	04/04/2014	17.55	r.m. work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	03/04/2014	16.38	04/04/2014	6.45	Over Voltage
Karad-Jaigad I	03/04/2014	16.44	04/04/2014	6.47	Over Voltage
Bhusawal- Aurangabad	03/04/2014	17.50	04/04/2014	6.31	Over Voltage
Karad - Kolhapur - II	04/04/2014	17.02		Continued.	over voltage
400/220 KV 500 MVA ICT - II at Khaparkheda	04/04/2014	19.45	05/04/2014	04.54	tripped on differential protection
Bhusawal- Aurangabad	04/04/2014	20.45	05/04/2014	6.40	over voltage
Karad-Jaigad I	04/04/2014	20.48		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.
Nasik - Airoli - Knowledge Park	04/04/2014	16.23	05/04/2014	00.13	distance protection
Nasik - Ghatghar	04/04/2014	16.40	04/04/2014	19.35	distance protection
Babaleshtar - Alephata	04/04/2014	9.26	04/04/2014	17.02	control bblr ict loadinig
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	152
Unit 7	210	148
	620	300
Bhusawal		
Unit 2	210	120
Unit 3	210	135
Unit 4	500	300
Unit 5	500	250
	1420	805
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	0
Unit 3	210	190
Unit 4	210	200
Unit 5	500	460
Unit 6	500	420
Unit 7	500	400
	2340	1820
Paras		
Unit 3	250	220
Unit 4	250	240
	500	460
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1030
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	15
SMLHY PTN	12	0
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	1243
Other CPPs	300	705
	3885	2508
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	5748
	3455	5748

	21280	17028
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