



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Apr/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.200	3663.705	1) Gujrat	12.079	176.111
2) Hydro	19.398	721.320	2) Madhya Pradesh	22.269	692.124
3) Gas	10.643	266.084	3) Chattisgarh	10.360	302.460
Total MSGENCO	158.241	4651.109	4) Maharashtra Net	96.646	2595.686
B) 1) JSW JAIGAD	15.379	412.600	(Incl. 765kV Solapur-Raichur)	0.915	-32.916
2) WPCL	0.000	4.347	5) Goa	-7.373	-188.712
3) ADANI	40.620	1029.453	6) TAPS 1&2 Injection	7.312	212.879
4) Other CPP / IPP	20.274	643.378	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.963	219.748	8) Pench (Excess)	-0.652	-4.521
6) PENCH (MS)	0.652	4.888			
7) SOLAR	0.994	29.493	# Total Cent. Sector	140.641	3786.027
C) 1) TPCL Thermal	19.865	532.028	F) Other Exchanges		
2) TPCL Hydro	5.903	115.840	1) With TPCL (Excess)	-26.576	-686.581
TOTAL TPCL	25.768	647.868	G) Bilateral Power *		
3) REL Thermal	12.461	360.228	1) MSEDCL Bilateral	32.058	504.453
D) STATE			Include PX	13.357	29.913
1) Thermal (A1+C1+C3)	160.526	4555.961	2) MUMBAI Bilateral	27.576	727.509
2) Hydro (A2+B6+C2)	25.953	842.048	Include PX	4.129	115.048
3) Gas (A3)	10.643	266.084	3) MUMBAI Schedule	27.576	727.509
4) Wind (B5)	8.963	219.748	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	76.273	1100.945	1) MSEDCL	359.188	10094.462
6) SOLAR (B7)	0.994	29.493	2) TPCL	41.514	1082.351
TOTAL STATE	283.352	7014.279	3) REL	23.290	612.382
			TOTAL STATE	423.992	11789.195

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5407	5524	5224
MSGENCO Hydro	1598	1371	305
MSGENCO Gas	429	432	458
MSGENCO Total Generation	7434	7327	5987
Central Sector Receipt	6435	6511	5163
WIND	112	180	373
CPP / IPP	3168	2955	3291
SOLAR	138	138	0
Exchange with Mumbai	-1366	-1202	-669
MSEDCL DEMAND MET	15948	15932	14145
Load Shedding	914	935	116
MSEDCL DEMAND	16862	16867	14261
TPCL GENERATION	1390	1434	823
R-INFRA GENERATION	518	521	521
TPCL+R-INFRA DEMAND	3274	3157	2013
STATE DEMAND MET	19222	19089	16158
STATE DEMAND	20136	20024	16274
Frequency (Hz)	49.79	49.77	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 18:27 Hrs	49.48 Hz at 22:28 Hrs	49.88	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 29/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	3.44	83.95	154	122	145
Unit 7	3.50	98.40	170	130	150
Total	6.94	182.76			295
Bhusawal					
Unit 2	3.33	67.96	150	130	150
Unit 3	3.56	89.99	165	135	150
Unit 4	9.46	242.89	500	305	350
Unit 5	8.16	173.26	410	295	270
Total	24.52	574.10			920
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	94.36	0	0	0
Unit 5	3.80	65.60	163	146	155
Unit 6	4.79	134.58	255	186	185
Unit 7	4.60	132.52	231	186	187
Total	13.18	427.06			527
Chandrapur					
Unit 1	3.28	85.83	142	128	150
Unit 2	3.92	106.40	168	156	170
Unit 3	3.96	104.56	178	146	180
Unit 4	4.79	111.50	206	190	210
Unit 5	10.12	298.48	440	336	450
Unit 6	9.48	276.72	410	365	400
Unit 7	7.03	267.66	375	235	260
Total	42.58	1251.16			1820
Paras					
Unit 3	4.82	126.93	244	158	230
Unit 4	5.18	127.59	255	182	230
Total	10.01	254.52			460
Khaparkheda					
Unit 1	3.94	110.08	180	135	180
Unit 2	3.22	104.99	150	120	160
Unit 3	0.00	0.80	0	0	0
Unit 4	5.04	133.50	210	210	210
Unit 5	9.74	270.77	500	360	400
Total	21.94	620.14			950
Nasik					
Unit 3	4.48	107.26	195	175	190
Unit 4	0.21	118.20	105	0	0
Unit 5	4.35	128.50	191	166	190
Total	9.03	353.96			380
Uran					
All Units	10.64	266.08	458	429	460
Total	10.64	266.08			460
PENCH (MS)					
Pench (MS)	0.65	4.89	54	0	0
Total	0.65	4.89			0
Koyna					
Stage 1-2	4.19	162.91	490	40	600
Stage 4	7.56	318.42	943	0	250
Stage 3	2.62	105.14	240	0	320
Kovna 12&4 Total	11.74	481.33			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.37	586.47			1170
Hydro					
KDPH	0.64	13.34	27	26	18
VTRNA	1.12	34.80	61	0	61
TILLARI	0.39	11.24	64	0	60
BHTGR/VEER	0.14	2.28	6	5	5
BHIRA T.R.	0.37	6.64	40	0	40
RNGR+BHTSA	0.30	8.02	13	12	12
BHANDARDRA	0.81	8.70	34	33	30
ELDARY	0.35	5.91	15	14	0
SMLHY PTN	0.75	25.72	32	31	15
GHATGHAR	0.18	18.19	120	0	0
Total	5.03	134.85			241
Wind					
MalharPeth	0.16	6.74			
Vankuswadi	0.38	11.96			
ATIT	0.04	1.35			
Kale	0.14	4.48			
Satara	2.72	56.51			
Shirala	0.23	5.37			
K Mahankal	0.03	0.70			
Supa	0.11	2.60			
Vita	0.95	26.87			
Dondaicha	3.09	72.82			
Sakri	0.38	8.18			
Nandurbar	0.36	8.26			
Khandke	0.13	6.04			
Khaparale	0.23	7.85			
Total	8.96	219.75			
CPP					
JSW JAIGAD	15.38	412.60	763	592	695
WARDHA	0.00	4.35	0	0	0
Adani	40.62	1029.45	1779	1520	1823
Other CPPs	20.27	643.38			875
Total	76.27	2089.78			3393
SOLAR					
Total	0.99	29.49			
Total	0.99	29.49			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.30	325.55	496	430	500
Trombay 6	4.35	85.00	283	155	500
Trombay 7A	2.66	76.27	123	80	120
Trombay 7B	1.55	45.22	69	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.90	115.84	471	0	447
Total	25.77	647.87			1627
REL					
1&2	12.46	360.23	523	516	500
Total	12.46	360.23			500
Cent Sect					
Share					6512
Total					6512
MS PG CL	Thermal	128.20	3663.70		5352
	Thml+Gas	138.84	3929.79		5812
	Hydro	19.40	721.32		1411
	Total	158.24	4651.11		7223
State Total		283.35	7014.28		19255

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	5331	1044	450	6825	416	3202	0	5623	5609	-1088	-1200	14906	58	14964	2543	17507	49.84
2	5299	785	458	6542	323	3209	0	5510	5427	-979	-924	14630	113	14743	2248	16991	49.80
3	5261	534	458	6253	361	3228	0	5405	5354	-874	-771	14451	113	14564	2114	16678	49.83
4	5224	305	458	5987	373	3291	0	5394	5163	-862	-669	14145	116	14261	2013	16274	49.89
5	5248	230	455	5933	465	3289	0	5365	5485	-831	-629	14543	128	14671	1968	16639	49.94
6	5182	463	450	6095	375	3277	0	5404	5352	-862	-661	14451	240	14691	2000	16691	49.97
7	5176	483	450	6109	241	3285	2	5473	5389	-867	-661	14419	677	15096	2004	17100	50.02
8	5281	551	450	6282	184	3213	27	5527	5331	-926	-763	14327	867	15194	2136	17330	50.04
9	5332	640	445	6417	169	3256	71	5519	5717	-998	-1090	14594	965	15559	2439	17998	49.98
10	5330	1484	438	7252	168	3216	98	5766	6128	-1191	-1230	15645	706	16351	2860	19211	49.88
11	5313	1766	429	7508	118	3170	108	6280	6274	-1339	-1356	15839	743	16582	3160	19742	49.81
12	5407	1598	429	7434	112	3168	138	6515	6435	-1415	-1366	15948	914	16862	3274	20136	49.79
13	5555	1028	433	7016	130	3063	125	6479	6645	-1441	-1331	15671	1060	16731	3273	20004	49.86
14	5524	1371	432	7327	180	2955	138	6199	6511	-1404	-1202	15932	935	16867	3157	20024	49.77
15	5584	1341	432	7357	260	3003	109	6535	6573	-1367	-1300	16026	703	16729	3193	19922	49.82
16	5384	1477	432	7293	290	3008	84	6498	6793	-1375	-1324	16167	590	16757	3219	19976	49.86
17	5320	1232	435	6987	234	3031	57	6248	6162	-1349	-1310	15184	593	15777	3186	18963	49.93
18	5366	420	442	6228	409	3058	16	5720	5751	-1330	-1314	14172	513	14685	3086	17771	49.98
19	5314	304	443	6061	564	3086	21	5655	5736	-1174	-1325	14167	84	14251	2928	17179	50.00
20	5393	834	444	6671	649	3191	0	5624	5777	-1142	-1295	15017	91	15108	2943	18051	49.81
21	5338	630	444	6412	798	3097	0	5640	5842	-1166	-1252	14921	68	14989	2892	17881	49.82
22	5360	239	445	6044	781	3494	0	5684	5534	-1217	-1261	14615	52	14667	2794	17461	49.82
23	5349	295	445	6089	742	3306	0	5694	5651	-1212	-1199	14616	37	14653	2704	17357	49.71
24	5329	344	446	6119	621	3177	0	5760	6002	-1168	-1143	14802	22	14824	2671	17495	49.83
MUs	128.20	19.40	10.64	158.24	8.96	76.27	0.99	139.52	140.64	-27.58	-26.58	359.19	10.39	369.58	64.80	434.38	49.88

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 29/Apr/2014

Position as on 6.30 Hrs of 30/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	29/04/2014	02.30	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 of U-1	
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	29/04/2014	21.12	Boiler Tube Leakage.	
Koyana Unit 9	80	28/04/2014	22.25	29/04/2014	05.25	R.M.Work	
CPP INDIABULLS	270	29/04/2014	09.34		Continued.	PA Fan Problem of U-2	
Koyana ST - IV 4	250	29/04/2014	12.05	29/04/2014	19.10	Governor safety valve problem	
Koyana ST-IV 1	250	29/04/2014	12.15	30/04/2014	04.00	Butterfly valve problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2014

Position as on 6.30 Hrs of 30/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		
Karad - Solapur (PGCIL)	28/04/2014	13.50	29/04/2014	10.46	Replacement of CVT at Karad
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	28/04/2014	16.37	29/04/2014	09.06	Over Voltage
Kolhapur-Mapusa-II	29/04/2014	17.14		Continued.	Over Voltage
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Akola - Badnera - I	29/04/2014	08.00	29/04/2014	21.20	Stringing work of Akola-Indiabulls D/C Line
Akola - Badnera - II	29/04/2014	08.00	29/04/2014	20.25	Stringing work of Akola-Indiabulls D/C Line
Kanhan - Bhandara - II	29/04/2014	08.10	29/04/2014	15.33	Conversion of SSN to DSN
Halkarni - Momewadi -I	29/04/2014	09.36	29/04/2014	18.38	Fixing of Vibration Dampers
Parli-Usmanabad	29/04/2014	10.05	29/04/2014	15.03	CT replacement
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE I -CHDPR	29/04/2014	04.12	29/04/2014	09.44	Testing and Trouble shooting of Pole-I valve control system
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Dabhol - New Koyna - I	28/04/2014	12.26		Continued.	Coldwashing of Insulator, RFC 19.53Hrs
Karad - Kolhapur - II	28/04/2014	17.06	29/04/2014	07.14	Over Voltage
Karad - Kolhapur - II	29/04/2014	16.30	30/04/2014	06.20	Over Voltage
Karad-Jaigad I	29/04/2014	16.32	30/04/2014	06.29	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Voltage Level : 110KV			Outage Type TRIPPED		
Kalwa-Kalyan	29/04/2014	07.32	29/04/2014	08.09	Over Current
Kalwa-Kalyan-Salsette - I	29/04/2014	07.32	29/04/2014	08.05	Over Current
Kalwa-Kalyan	29/04/2014	17.22	29/04/2014	17.40	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	155
	620	305
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	375
Unit 5	500	280
	1420	945
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	158
Unit 6	250	187
Unit 7	250	187
	1130	532
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	180
Unit 4	210	210
Unit 5	500	425
Unit 6	500	425
Unit 7	500	400
	2340	1960
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	400
	1340	970
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	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	6
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	34
ELDARY	23	14
SMLHY PTN	12	5
GHATGHAR	250	0
	611	250
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	742
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	875
	4545	3440
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	6202
	3455	6202

	21940	19431
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