



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/May/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.127	512.935	1) Gujrat	9.267	40.343
2) Hydro	8.124	41.439	2) Madhya Pradesh	22.380	85.592
3) Gas	10.422	47.781	3) Chattisgarh	8.540	34.230
Total MSGENCO	146.673	602.155	4) Maharashtra Net	81.208	320.123
B) 1) JSW JAIGAD	18.251	77.785	(Incl. 765kV Solapur-Raichur)	-1.169	-5.850
2) WPCL	2.743	10.584	5) Goa	-6.477	-27.418
3) ADANI	42.606	160.097	6) TAPS 1&2 Injection	7.387	29.451
4) Other CPP / IPP	17.922	74.122	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.264	39.202	8) Pench (Excess)	-0.153	-0.505
6) PENCH (MS)	0.153	0.505	# Total Cent. Sector	122.152	481.816
7) SOLAR	0.996	4.000	F) Other Exchanges		
C) 1) TPCL Thermal	18.570	74.250	1) With TPCL (Excess)	-20.638	-98.264
2) TPCL Hydro	0.385	7.984	G) Bilateral Power *		
TOTAL TPCL	18.955	82.234	1) MSEDCL Bilateral	27.835	90.144
3) REL Thermal	12.298	48.177	Include PX	7.916	25.725
D) STATE			2) MUMBAI Bilateral	23.579	105.594
1) Thermal (A1+C1+C3)	158.995	635.362	Include PX	1.596	7.827
2) Hydro (A2+B6+C2)	8.662	49.928	3) MUMBAI Schedule	23.579	105.594
3) Gas (A3)	10.422	47.781	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.264	39.202	1) MSEDCL	338.122	1352.002
5) CPP/IPP (B1+B2+B3+B4)	81.522	205.097	2) TPCL	32.501	144.777
6) SOLAR (B7)	0.996	4.000	3) REL	19.391	83.900
TOTAL STATE	267.861	981.370	TOTAL STATE	390.014	1580.679

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	5343	5484	5089
MSGENCO Hydro	609	723	282
MSGENCO Gas	439	429	458
MSGENCO Total Generation	6391	6636	5829
Central Sector Receipt	5951	5800	4496
WIND	38	371	173
CPP / IPP	3451	3442	3437
SOLAR	143	98	0
Exchange with Mumbai	-934	-947	-614
MSEDCL DEMAND MET	15040	15400	13321
Load Shedding	795	512	33
MSEDCL DEMAND	15835	15912	13354
TPCL GENERATION	764	778	789
R-INFRA GENERATION	518	519	521
TPCL+R-INFRA DEMAND	2216	2244	1924
STATE DEMAND MET	17256	17644	15245
STATE DEMAND	18051	18156	15278
Frequency (Hz)	50.00	49.98	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 18.12 Hrs	49.68 Hz at 00.00 Hrs	50.02	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/May/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	3.44	14.25	150	130	135
Unit 7	3.81	15.05	182	145	160
Total	7.25	29.30			295
Bhusawal					
Unit 2	3.24	12.80	145	130	141
Unit 3	3.36	13.58	150	130	144
Unit 4	8.48	33.47	500	300	312
Unit 5	8.08	30.86	400	295	313
Total	23.16	90.70			910
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.12	14.56	172	0	100
Unit 6	4.66	18.66	250	180	185
Unit 7	4.58	18.04	250	160	180
Total	12.35	51.26			465
Chandrapur					
Unit 1	3.24	13.42	140	130	145
Unit 2	3.83	15.37	163	156	165
Unit 3	4.04	16.20	182	154	160
Unit 4	4.58	18.42	210	167	210
Unit 5	10.18	40.19	450	385	450
Unit 6	9.30	36.31	415	360	400
Unit 7	8.07	33.67	370	290	350
Total	43.24	173.58			1880
Paras					
Unit 3	4.72	19.63	207	182	210
Unit 4	0.05	9.25	54	0	0
Total	4.77	28.88			210
Khaparkheda					
Unit 1	3.80	15.07	190	140	160
Unit 2	3.78	14.78	170	150	160
Unit 3	3.58	3.76	177	103	150
Unit 4	4.13	16.64	210	136	210
Unit 5	9.38	36.85	500	357	400
Total	24.66	87.10			1080
Nasik					
Unit 3	4.38	17.22	190	175	190
Unit 4	3.99	17.22	179	158	190
Unit 5	4.33	17.67	195	171	190
Total	12.70	52.10			570
Uran					
All Units	10.42	47.78	464	394	460
Total	10.42	47.78			460
PENCH (MS)					
Pench (MS)	0.15	0.50	40	0	
Total	0.15	0.50			
Koyna					
Stage 1-2	2.12	10.48	430	40	600
Stage 4	0.33	7.04	162	0	250
Stage 3	0.92	4.53	160	0	320
Kovna 12&4 Total	2.45	17.52			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.36	22.05			1170
Hydro					
KDPH	0.50	1.40	21	20	12
VTRNA	1.10	4.61	61	0	61
TILLARI	0.38	1.57	62	0	65
BHTGR/VEER	0.06	0.24	3	2	0
BHIRA T.R.	0.08	0.77	40	0	40
RNGR+BHTSA	0.29	0.46	13	12	0
BHANDARDRA	0.78	3.13	33	32	33
ELDARY	0.34	1.36	14	14	15
SMLHY PTN	0.67	2.33	36	26	11
GHATGHAR	0.57	3.53	220	0	0
Total	4.76	19.39			237
Wind					
MalharPeth	0.17	0.54			
Vankuswadi	0.29	1.00			
ATIT	0.03	0.08			
Kale	0.02	0.05			
Satara	2.26	11.73			
Shirala	0.09	0.43			
K Mahankal	0.00	0.10			
Supa	0.12	0.21			
Vita	0.20	3.22			
Dondaicha	3.07	16.57			
Sakri	0.44	2.04			
Nandurbar	0.24	1.67			
Khandke	0.16	0.38			
Khaparale	0.16	1.18			
Total	7.26	39.20			
CPP					
JSW JAIGAD	18.25	77.78	798	673	810
WARDHA	2.74	10.58	119	109	125
Adani	42.61	160.10	1830	1340	1851
Other CPPs	17.92	74.12			670
Total	81.52	322.59			3456
SOLAR					
Total	1.00	4.00			
Total	1.00	4.00			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.69	42.67	495	346	500
Trombay 6	3.73	14.81	156	154	500
Trombay 7A	2.61	10.56	125	75	120
Trombay 7B	1.54	6.21	69	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.38	7.98	78	0	447
Total	18.96	82.23			1627
REL					
1&2	12.30	48.18	521	424	500
Total	12.30	48.18			500
Cent Sect					
Share					5509
Total					5509
MS PG CL	Thermal	128.13	512.94		5410
	Thml+Gas	138.55	560.72		5870
	Hydro	8.12	41.44		1407
	Total	146.67	602.16		7277
State Total		267.86	981.37		18369

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/May/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	5252	152	448	5852	651	3433	0	5256	4930	-1093	-1040	13826	14	13840	2343	16183	49.89
2	5160	147	454	5761	508	3434	0	5261	4881	-1043	-886	13698	32	13730	2215	15945	49.93
3	5138	152	454	5744	264	3440	0	4952	5016	-921	-752	13712	32	13744	2077	15821	49.91
4	5075	346	458	5879	225	3419	0	4394	4748	-866	-753	13518	32	13550	1969	15519	49.99
5	5089	282	458	5829	173	3437	0	4407	4496	-880	-614	13321	33	13354	1924	15278	49.99
6	5187	246	463	5896	83	3432	0	4435	4735	-905	-565	13581	159	13740	1924	15664	50.05
7	5214	362	462	6038	79	3402	5	4428	4134	-900	-526	13132	888	14020	1878	15898	50.13
8	5247	214	464	5925	31	3450	28	4492	4527	-907	-517	13444	886	14330	1852	16182	50.06
9	5288	228	453	5969	33	3464	61	4678	4654	-928	-591	13590	846	14436	1914	16350	50.06
10	5311	294	461	6066	32	3385	88	5362	5126	-965	-768	13929	612	14541	2042	16583	50.12
11	5293	311	445	6049	35	3439	121	5625	5963	-978	-864	14743	649	15392	2146	17538	49.95
12	5343	609	439	6391	38	3451	143	5692	5951	-986	-934	15040	795	15835	2216	18051	50.00
13	5867	411	433	6711	75	3469	134	5341	5406	-1005	-974	14821	964	15785	2243	18028	50.06
14	5880	300	440	6620	115	3359	121	5347	5559	-1006	-973	14801	853	15654	2244	17898	49.97
15	5906	367	435	6708	242	3373	114	5374	5423	-989	-984	14876	618	15494	2253	17747	49.92
16	5484	723	429	6636	371	3442	98	5383	5800	-973	-947	15400	512	15912	2244	18156	49.98
17	5322	457	401	6180	522	3392	65	4939	5696	-960	-863	14992	512	15504	2201	17705	50.07
18	5243	210	400	5853	656	3255	15	4565	4763	-902	-972	13570	122	13692	2122	15814	50.28
19	5200	282	398	5880	604	2924	3	4451	4673	-893	-924	13160	26	13186	2098	15284	50.24
20	5328	401	400	6129	469	3265	0	5130	4895	-1054	-941	13837	25	13862	2279	16141	49.96
21	5301	464	394	6159	473	3475	0	5115	5354	-1054	-1065	14436	20	14456	2394	16850	50.03
22	5348	371	399	6118	505	3469	0	4909	4918	-1081	-1043	14004	19	14023	2414	16437	50.03
23	5365	454	408	6227	500	3439	0	5141	5057	-1115	-1071	14185	16	14201	2437	16638	49.88
24	5286	341	426	6053	580	3474	0	5438	5447	-1176	-1071	14506	13	14519	2462	16981	49.97
MUs	128.13	8.12	10.42	146.67	7.26	81.52	1.00	120.12	122.15	-23.58	-20.64	338.12	8.68	346.80	51.89	398.69	50.02

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/May/2014

Position as on 6.30 Hrs of 05/May/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
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-4	135	03/04/2014	00.01		Continued.	No Schedule	
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 INDIABULLS	270	29/04/2014	09.34		Continued.	PA Fan Problem of U-2	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Paras Unit 4	250	02/05/2014	17.36	04/05/2014	23.14	Boiler Tube Leakage	
Parli Unit 5	210	04/05/2014	0.45	04/05/2014	5.14	Id fan problem	
Uran Unit 8	108	04/05/2014	12.53		Continued.	Gas shortage	
Chandrapur Unit 5	500	05/05/2014	00.40		Continued.	CEP Pump Tripped.	
Hydro GhatgharU2	125	05/05/2014	03.00		Continued.	Speed Not Raised.	
Koradi Unit 7	210	05/05/2014	05.05		Continued.	ID Fan Bearing Temp.High.	
Chandrapur Unit 3	210	05/05/2014	06.10		Continued.	GCR Building Caught Fire.	

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

Position as on 6.30 Hrs of 05/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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	03/05/2014	16.41	04/05/2014	09.55	over voltage
Kolhapur - Mapusa - I	04/05/2014	16.41		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	05/05/2014	06.18		Continued.	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT - III at Parly	03/05/2014	13.40	04/05/2014	10.03	R phase jumper broken connected to bus
400/220 KV 600 MVA ICT-II @ Kalwa	04/05/2014	06.34	04/05/2014	15.55	To Attend Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Koradi-Butibori	30/04/2014	10.35		Continued.	O/H Of C.B.
Apta-Kalwa	04/05/2014	06.30	04/05/2014	12.30	For Stringing of OPGW Cable @ L.N.-681B-684B.
Kalwa I-Taloja	04/05/2014	06.33	04/05/2014	12.28	For Stringing of OPGW Cable @ L.N.-681B-684B.
Boiser PGCIL-Boiser II	04/05/2014	06.46	04/05/2014	09.30	Red Hot Spot.
Kalwa- salsett 6	04/05/2014	08.35	04/05/2014	12.45	P.M.Work.
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.	Cold washing of Insulator, RFC 19.53Hrs
Karad - Kolhapur - II	03/05/2014	16.09	04/05/2014	07.15	over voltage
Bhusawal- Aurangabad	03/05/2014	17.15	04/05/2014	08.48	over voltage
Bus Reactor @ Kolhapur	04/05/2014	10.27	04/05/2014	16.38	Hand Tripped.
Bus reactor @ Dhule	04/05/2014	10.29		Continued.	Hand Tripped.
Bus Reactor @ 765KV Akola	04/05/2014	10.30	04/05/2014	17.21	Hand Tripped.
Karad-Kolhapur-II	04/05/2014	16.04		Continued.	Over Voltage.
Karad-Jaigad I	04/05/2014	16.06		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/05/2014	17.45		Continued.	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 : 400KV			Outage Type TRIPPED		
Karad-Jaigad II	03/05/2014	17.15	04/05/2014	07.10	distance protection
Voltage Level : 220KV			Outage Type TRIPPED		
Karad - Sadawaghapur - II	03/05/2014	16.46		Continued.	distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Bhokardan-Rajur	04/05/2014	05.57	04/05/2014	19.35	Distance Protection Operated Z-I.R-E Fault.
Jalna - Rajur 1	04/05/2014	06.27	04/05/2014	06.34	Over Current,Earthfault.
Kawlewada-Madgi-I	04/05/2014	19.41	04/05/2014	20.35	Distance Protection Operated Z-2.

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

Position as on 6.30 Hrs of 05/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Girwali - Gangakhed	04/05/2014	20.18	04/05/2014	20.35	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	0
	620	165
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	350
Unit 5	500	320
	1420	960
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	163
Unit 6	250	180
Unit 7	250	180
	1130	523
Chandrapur		
Unit 1	210	140
Unit 2	210	163
Unit 3	210	169
Unit 4	210	190
Unit 5	500	0
Unit 6	500	394
Unit 7	500	399
	2340	1455
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	165
Unit 5	500	400
	1340	1045
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	465
	852	465
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	12
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	65
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	8
BHANDARDRA	45	30
ELDARY	23	10
SMLHY PTN	12	10
GHATGHAR	250	0
	611	236
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	797
WARDHA	405	115
Adani	2640	1851
Other CPPs	300	670
	4545	3433
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	5806
	3455	5806

	21940	7 of 7	18355
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