



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/May/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.858	257.753	1) Gujrat	10.847	21.443
2) Hydro	13.051	20.354	2) Madhya Pradesh	21.959	41.229
3) Gas	13.349	25.446	3) Chattisgarh	8.470	16.460
Total MSGENCO	155.258	303.553	4) Maharashtra Net	76.251	156.045
B) 1) JSW JAIGAD	20.167	39.037	(Incl. 765kV Solapur-Raichur)	-3.332	-3.729
2) WPCL	2.744	5.078	5) Goa	-6.936	-13.317
3) ADANI	39.957	75.901	6) TAPS 1&2 Injection	7.243	14.641
4) Other CPP / IPP	19.114	36.910	7) RGPPL Injection	0.000	0.000
5) Wind Generation	11.540	21.497	8) Pench (Excess)	0.000	-0.115
6) PENCH (MS)	0.000	0.115			
7) SOLAR	0.980	1.984	# Total Cent. Sector	117.834	236.386
C) 1) TPCL Thermal	18.696	36.845	F) Other Exchanges		
2) TPCL Hydro	4.090	4.867	1) With TPCL (Excess)	-27.804	-52.103
TOTAL TPCL	22.786	41.712	G) Bilateral Power *		
3) REL Thermal	12.300	23.402	1) MSEDCL Bilateral	18.080	39.128
D) STATE			Include PX	2.299	10.127
1) Thermal (A1+C1+C3)	159.854	318.000	2) MUMBAI Bilateral	29.261	53.820
2) Hydro (A2+B6+C2)	17.141	25.336	Include PX	3.336	4.422
3) Gas (A3)	13.349	25.446	3) MUMBAI Schedule	29.261	53.820
4) Wind (B5)	11.540	21.497	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	81.982	120.982	1) MSEDCL	339.790	668.358
6) SOLAR (B7)	0.980	1.984	2) TPCL	40.119	74.576
TOTAL STATE	284.846	513.245	3) REL	22.771	42.641
			TOTAL STATE	402.680	785.575

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5506	5501	5367
MSGENCO Hydro	930	829	194
MSGENCO Gas	590	529	515
MSGENCO Total Generation	7026	6859	6076
Central Sector Receipt	5566	5658	4389
WIND	186	396	597
CPP / IPP	3422	3466	3466
SOLAR	138	91	0
Exchange with Mumbai	-1402	-1397	-801
MSEDCL DEMAND MET	14936	15073	13727
Load Shedding	745	546	28
MSEDCL DEMAND	15681	15619	13755
TPCL GENERATION	1227	1229	742
R-INFRA GENERATION	519	520	520
TPCL+R-INFRA DEMAND	3148	3146	2063
STATE DEMAND MET	18084	18219	15790
STATE DEMAND	18829	18765	15818
Frequency (Hz)	50.02	49.94	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 17.56 Hrs	49.75 Hz at 14.08 Hrs	50.03	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 02/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	3.48	7.01	170	125	130
Unit 7	3.69	7.35	184	127	155
Total	7.17	14.35			285
Bhusawal					
Unit 2	3.24	6.36	150	130	125
Unit 3	3.44	6.84	155	135	134
Unit 4	8.58	16.22	435	295	376
Unit 5	7.40	15.09	400	275	280
Total	22.66	44.52			915
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.85	7.64	166	155	155
Unit 6	4.58	9.40	250	176	180
Unit 7	4.60	8.84	250	174	185
Total	13.04	25.88			520
Chandrapur					
Unit 1	3.31	6.74	145	126	150
Unit 2	3.80	7.63	167	137	170
Unit 3	4.05	7.94	180	134	175
Unit 4	4.62	8.94	209	160	180
Unit 5	10.00	20.01	461	370	450
Unit 6	8.94	17.88	421	335	400
Unit 7	8.48	17.41	385	306	380
Total	43.20	86.55			1905
Paras					
Unit 3	5.14	9.92	242	176	230
Unit 4	3.97	9.20	242	0	230
Total	9.10	19.11			460
Khaparkheda					
Unit 1	3.58	7.42	160	125	150
Unit 2	3.58	7.37	175	135	160
Unit 3	0.00	0.00	0	0	0
Unit 4	4.18	8.34	210	162	155
Unit 5	9.15	18.16	500	285	400
Total	20.50	41.29			865
Nasik					
Unit 3	4.34	8.64	190	170	190
Unit 4	4.41	8.65	196	176	190
Unit 5	4.45	8.75	194	173	190
Total	13.20	26.04			570
Uran					
All Units	13.35	25.45	618	496	610
Total	13.35	25.45			610
PENCH (MS)					
Pench (MS)	0.00	0.12	0	0	
Total	0.00	0.12			
Koyna					
Stage 1-2	3.42	5.09	510	40	600
Stage 4	2.72	3.38	501	0	250
Stage 3	1.51	2.00	160	0	320
Kovna 12&4 Total	6.14	8.47			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.65	10.47			1170
Hydro					
KDPH	0.30	0.60	13	12	13
VTRNA	1.09	2.17	61	0	61
TILLARI	0.40	0.79	65	0	64
BHTGR/VEER	0.06	0.12	3	2	2
BHIRA T.R.	0.14	0.48	40	0	41
RNGR+BHTSA	0.00	0.16	0	0	14
BHANDARDRA	0.77	1.56	33	32	34
ELDARY	0.34	0.69	15	14	14
SMLHY PTN	0.59	0.94	31	21	4
GHATGHAR	1.70	2.37	240	0	0
Total	5.40	9.88			247
Wind					
MalharPeth	0.15	0.27			
Vankuswadi	0.33	0.51			
ATIT	0.01	0.02			
Kale	0.01	0.02			
Satara	3.27	6.28			
Shirala	0.16	0.25			
K Mahankal	0.03	0.05			
Supa	0.02	0.07			
Vita	1.12	1.78			
Dondaicha	4.83	9.25			
Sakri	0.65	1.18			
Nandurbar	0.53	0.97			
Khandke	0.03	0.11			
Khaparale	0.40	0.72			
Total	11.54	21.50			
CPP					
JSW JAIGAD	20.17	39.04	890	770	790
WARDHA	2.74	5.08	118	109	125
Adani	39.96	75.90	1830	1410	1851
Other CPPs	19.11	36.91			650
Total	81.98	156.93			3416
SOLAR					
Total	0.98	1.98			
Total	0.98	1.98			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.69	20.78	491	318	500
Trombay 6	3.70	7.39	157	153	500
Trombay 7A	2.73	5.50	125	81	120
Trombay 7B	1.58	3.18	70	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.09	4.87	457	0	447
Total	22.79	41.71			1627
REL					
1&2	12.30	23.40	521	436	500
Total	12.30	23.40			500
Cent Sect					
Share					5365
Total					5365
MS PG CL	Thermal	128.86	257.75		5520
	Thml+Gas	142.21	283.20		6130
	Hydro	13.05	20.35		1417
	Total	155.26	303.55		7547
State Total		284.85	513.24		18455

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	5364	213	534	6111	720	3511	0	4401	4638	-1148	-1062	13918	12	13930	2389	16319	50.01
2	5272	184	530	5986	590	3452	0	4342	4509	-1029	-935	13602	28	13630	2207	15837	50.01
3	5367	194	515	6076	597	3466	0	4344	4389	-966	-801	13727	28	13755	2063	15818	50.03
4	5386	185	496	6067	736	3437	0	4360	4404	-955	-615	14029	28	14057	1962	16019	50.01
5	5391	188	525	6104	835	3441	0	4369	4210	-955	-717	13873	33	13906	1913	15819	50.04
6	5390	184	615	6189	773	3437	0	4398	4606	-984	-845	14160	100	14260	1937	16197	49.99
7	5385	183	618	6186	575	3403	4	4409	4742	-1027	-730	14180	183	14363	1966	16329	50.07
8	5437	183	612	6232	571	3353	29	4498	4646	-1041	-745	14086	170	14256	2071	16327	50.11
9	5437	225	603	6265	421	3360	50	4648	4888	-1162	-1050	13934	692	14626	2379	17005	50.04
10	5490	760	591	6841	262	3464	80	4837	5075	-1306	-1316	14406	559	14965	2769	17734	50.00
11	5483	1140	590	7213	229	3436	103	5208	5483	-1412	-1385	15079	583	15662	3066	18728	50.01
12	5506	930	590	7026	186	3422	138	5370	5566	-1422	-1402	14936	745	15681	3148	18829	50.02
13	5958	553	554	7065	203	3403	134	5185	5142	-1439	-1412	14535	895	15430	3145	18575	50.01
14	5892	365	553	6810	215	3479	135	5160	5355	-1379	-1425	14569	818	15387	3067	18454	49.99
15	5772	441	548	6761	316	3462	119	5461	5542	-1398	-1424	14776	633	15409	3119	18528	49.90
16	5501	829	529	6859	396	3466	91	5457	5658	-1413	-1397	15073	546	15619	3146	18765	49.94
17	5281	1068	542	6891	488	3508	62	4910	5322	-1401	-1401	14870	547	15417	3108	18525	50.10
18	5124	360	541	6025	644	3365	23	4598	4555	-1290	-1378	13234	571	13805	3024	16829	50.24
19	4916	274	544	5734	584	3079	12	4442	4721	-1210	-1361	12769	55	12824	2868	15692	50.13
20	5116	916	544	6576	465	3269	0	4503	5082	-1203	-1316	14076	55	14131	2910	17041	50.03
21	5162	1217	543	6922	408	3435	0	4582	3921	-1282	-1285	13401	37	13438	2791	16229	50.06
22	5115	1030	543	6688	433	3468	0	4576	4756	-1267	-1295	14050	26	14076	2650	16726	50.00
23	5049	688	545	6282	393	3478	0	4762	5210	-1295	-1251	14112	15	14127	2586	16713	49.93
24	5064	741	544	6349	500	3388	0	4967	5414	-1276	-1256	14395	8	14403	2606	17009	49.96
MUs	128.86	13.05	13.35	155.26	11.54	81.98	0.98	113.79	117.83	-29.26	-27.80	339.79	7.37	347.16	62.89	410.05	50.03

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 02/May/2014

Position as on 6.30 Hrs of 03/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	
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	
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.	
Koyna Unit 6	75	01/05/2014	22.15	02/05/2014	02.40	Preventive Maint.work	
Uran Unit 5	108	02/05/2014	02.31	02/05/2014	03.52	Damper Discrepancy	
Paras Unit 4	250	02/05/2014	17.36		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/May/2014

Position as on 6.30 Hrs of 03/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mahalakshmi - Amona	02/05/2014	11.08	02/05/2014	19.16	Fixing of Vibration Damper
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	01/05/2014	16.39	02/05/2014	09.10	Over Voltage
Dhule-Sar'Sarovar - I	01/05/2014	18.14	02/05/2014	08.47	Over Voltage
Kolhapur - Mapusa - I	02/05/2014	17.10		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	02/05/2014	15.09	02/05/2014	16.51	Pole Control Standby System Redundancy Failed
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315 MVA ICT-I @ Padgha	02/05/2014	10.47	02/05/2014	18.32	Checking of SF6 Gas
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Koradi-Butibori	30/04/2014	10.35		Continued.	O/H Of C.B.
ONGC-JNPT	01/05/2014	06.00	02/05/2014	16.40	Reorientation of Uran-ONGC-JNPT to Erect one tower.
Uran - JNPT	01/05/2014	06.10	02/05/2014	16.40	Reorientation Of Uran-JNPT to ERECT one Tower.
Bale-Usmanabad	01/05/2014	07.58	02/05/2014	19.53	Outage on Bhugaon-Pusad & Wardha-Yavatmal.
Bale - Tuljapur	01/05/2014	07.58	02/05/2014	19.33	Outage on Bhugaon-Pusad & Wardha-Yavatmal.
Main Bus Section- I @ Pedambe	02/05/2014	08.30	02/05/2014	09.25	Y Phase CT Oil Leakage
Temghar-Colourchem	02/05/2014	08.57	02/05/2014	10.05	R Phase CT Leakage
220/132 KV 150 MVA T/F @ Boiser	02/05/2014	09.05	02/05/2014	11.45	Oil Leakage
Padgha-Jambhul-I	02/05/2014	09.28	02/05/2014	19.45	Q.M.Work
Nivali-Pawas	02/05/2014	09.32	02/05/2014	17.41	Insulator Cleaning
Nerul-Kharghar	03/05/2014	06.10		Continued.	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Dabhol - New Koyana - I	28/04/2014	12.26		Continued.	Cold washing of Insulator, RFC 19.53Hrs
Bhusawal- Aurangabad	30/04/2014	18.32	02/05/2014	07.45	Over Voltage.
Karad - Kolhapur - I	01/05/2014	16.34	02/05/2014	07.28	Over Voltage.
Karad-Jaigad I	01/05/2014	17.08	02/05/2014	07.56	Over Voltage.
Karad - Kolhapur - II	02/05/2014	16.46		Continued.	Over Voltage
Karad-Jaigad I	02/05/2014	16.48		Continued.	Over Voltage
Bhusawal- Aurangabad	02/05/2014	17.28		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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/May/2014

Position as on 6.30 Hrs of 03/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol-Nagothane - II	01/05/2014	17.05		Continued.	Over Voltage
Karad-Kolhapur-II	01/05/2014	17.59	02/05/2014	07.36	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Girwali - Parly - IV	01/05/2014	21.25	02/05/2014	04.29	Distance Protection
Bhugaon-Pusad	02/05/2014	19.21	02/05/2014	19.44	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Pusad - Gunj	02/05/2014	19.22	02/05/2014	19.42	Load Trimming operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	165
	620	330
Bhusawal		
Unit 2	210	130
Unit 3	210	145
Unit 4	500	364
Unit 5	500	315
	1420	954
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	158
Unit 6	250	188
Unit 7	250	178
	1130	524
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	190
Unit 4	210	210
Unit 5	500	425
Unit 6	500	380
Unit 7	500	350
	2340	1875
Paras		
Unit 3	250	200
Unit 4	250	0
	500	200
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	165
Unit 5	500	400
	1340	885
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	630
	852	630
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	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	32
ELDARY	23	15
SMLHY PTN	12	9
GHATGHAR	250	0
	611	237
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	850
WARDHA	405	115
Adani	2640	1696
Other CPPs	300	660
	4545	3321
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	5666
	3455	5666